

Zoological Record

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# REPTILIA

COMPILED BY

J. C. BATTERSBY (Recent) and  
W. E. SWINTON, Ph.D. (Fossil)

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# 16B. REPTILIA

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†*Chiayusuchus cingulatus* sp. nov. (p. 44) tooth from Cretaceous of Kansu. Rep. sci. Exped. N.-W. Prov. China 6 6 1953, **Bohlin, B.**

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†*Peltosaurus granulatus*, *Xestops pawneeensis*, and *Glyptosaurus* sp. in Oligocene of N.E. Colorado, **Galbreath, E. C.**

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*Anniella pulchra* and *geronimensis* are sympatric species, collecting localities of Baja California, **Shaw, C. E.** (1).

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On sex-dimorphism, figs., **Guibé, J.** (1).—Key to species of Nyasaland, **Loveridge, A.** (1).

*Brookesia nchisiensis*, sp. nov. (p. 191, plate), Type from Nchisi Forest, 5,000 ft., Nchisi Mt., paratypes from Nchisi and Misuku Mtns., Nyasaland; *brachyura brachyura*; *platyceps platyceps*; *platyceps carri*, subsp. nov. (p. 194, plate; fig. of hemipenes) type from

Lichenya Plateau, 6,000 ft., Mlanje Mt., paratypes from Ruu Gorge, 3,000–3,500 ft., Mlanje Mt., Nyasaland; habits, etc., **Bull. Mus. comp. Zool. Harv. 110 1953, Loveridge, A.** (1).—*B. platyceps carri*, From Ruu Gorge, Shire valley, Nyasaland, 3,000–3,500 ft., **Loveridge, A.** (4).

*Chamaeleo*, Physiology of the nervous system, **Buddenbrock, W. v.**—*C. sp.*, *bitaeniatus*, Embryological series and slides available, **Hubrecht Laboratory.**—*C. bitaeniatus*, On the origin and migration of the gonocytes, figs., **Pasteels, J.**—*C. calyptratus*, From Yemen; observation that the large series confirms **Andersson's** suggestion of *calcarifer* Peters as a synonym; *chamaeleo chamaeleon*, From Yemen; type locality suggested as Jerusalem and not "North Africa," **Schmidt, K. P.** (5).—*C. chamaeleon*, photo., notes on transporting, **Cock, J. J.** (1).—*C. chamaeleon chamaeleon*, In Cyprus, **Birkenmeier, E.**—From Samos Id., Aegean, **Wettstein, O.** (3).—*C. cristatus*; *oweni*, From Port Harcourt Area, Nigeria, **Romer, J. D.** (1).—*C. dilepis*, On longevity in captivity (10 months), **Lepeur, F.**—*C. dilepis dilepis*, From Chiromo; *melleri*, from Blantyre, Shire Valley, (photo.), notes on feeding habits, **Loveridge, A.** (4).—*C. dilepis quilensis* Bocage is a synonym of *C. quilensis* Bocage, **Witte, G. F. de.**—*C. dilepis isabellinus*; *d. dilepis*, from Nyasaland; *d. petersii*, from Nyasaland and Tete; *melleri*, plate, from Nyasaland; *goetzii nyikae*, subsp. nov. (p. 189), Type from Nyika Plateau, Nchenachena, 7,500 ft., paratypes from Nyika Plateau, Nyasaland; habits, etc.; **Bull. Mus. comp. Zool. Harv. 110 1953, Loveridge, A.** (1).—*C. gallus*, fig.; *furcifer*, fig.; *unicornis*, fig.; *bifidus*, fig.; *montivum*, fig.; *jacksoni*, fig.; *nasutus*, *oweni*, — On sex-dimorphism, **Guibé, J.** (1).—*C. oweni*; *basiliscus* photograph; *cristatus*, Of Nigeria, habit notes, **Romer, J. D.** (3).—*C. senegalensis*; *gracilis*, head fig.; *etiennei*, head fig.; *dilepis dilepis*, figs.; *quilensis*, figs.; *roperi*; *bitaeniatus ellioti*; *b. burgeoni*; *anchietae vinckei*, figs. & col. pl.; *unicornis*, from Katanga, Belgian Congo, **Witte, G. F. de.**—*C. senegalensis laevigatus* Gray, is a synonym of *C. senegalensis* Daud, **Witte, G. F. de.**—*C. vulgaris*, Ecological notes in Morocco, Atlas Mtns., **Saint Girons, H.** (2).—*C.*



*zeylanicus*, Of Ceylon, coloured plate, **Deraniyagala, P. E. P. (2)**.—Of Ceylon, **Taylor, E. H. (1)**.

*Microsaura pumila pumila*, On storage of sperm in the female, **Atsatt, S. R.**

#### CORDYLIDAE

Key to Nyasaland species, **Loveridge, A. (1)**.

*Chamaesaura anguina*, Embryological series available, **Hubrecht Laboratory**.—*C. anguina tenuior*, figs.; *miopropus*, figs., from Katanga, Belgian Congo, **Witte, G. F. de**.

*Cordylus cordylus cordylus*, Habitat notes in Cape Town area, **Mertens, R. (5)**.—*C. cordylus tropidosternum*, notes on localities, **Loveridge, A. (1)**.—Figs. from Katanga, Belgian Congo, **Witte, G. F. de**.

*Platysaurus mitchelli*, **sp. nov.** (p. 234), type locality: Ruu River Forest, Mlanje Mt., Nyasaland; *guttatus nyasae*, **subsp. nov.** (p. 237), type locality: Blantyre to Tete Rd., right side a mile (approx.) south of Mpatamanga Bridge, Nyasaland; *g. torquatus*, from Mozambique, **Bull. Mus. comp. Zool. Harv. 110 1953, Loveridge, A. (1)**.

*Zonurus giganteus*, On longevity in captivity (4 years), **Lepeere, F.**

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*Dibamus novaeguineae*, In Dutch New Guinea, **Forcart, L. (1)**.—From Sumba Id., **Forcart, L. (2)**.—Of New Guinea, general notes, **Leiker, D. L. (1)**.

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*Lepidoblepharis*, observations on speciation; a specimen from Rio Jurua region referred provisionally to *festae*, figs., **Vanzolini, P. E. (3)**.

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Key to geckos of Nyasaland, **Loveridge, A. (1)**.—Of Ceylon, some coloured pls., figs., notes etc., **Deraniyagala, P. E. P. (2)**.—Key to Ceylon genera, **Taylor, E. H. (1)**.—Distribution in the Pacific area, factors, **McCann, C.**—List of types in Stanford University Museum, **Leviton, A. E. (1)**.—The cochlear apparatus and its bearing on group affinities, figs., **Shute, C. C. D. & Bellairs, A. d'A.**

*Afroedura transvaalica* ? *transvaalica*, from Tete, **Loveridge, A. (1)**.

*Aristelliger georgeensis*, First Mexico mainland record; Quintana Roo, Estados Unidos, **Peters, J. A.**—*A. praesignis*, Brain comparison with *Anolis*, **Armstrong, J. A.** and others.

*Calodactylodes*, Of Ceylon; key to species; *C. illingworthi*, **sp. nov.**, Type locality, Nuvaragala, 1,200 ft., E. Province, Ceylon; notes on habits, **J. Ceylon. Br. Asiatic Soc. N.S. 3 1 1953 p. 27 pl., Deraniyagala, P. E. P. (4)**.—*C. illingworthi*, **sp. nov.**, Nuvara Gala rock, 1,200 ft., nr. Maha Oya, E. Province, Ceylon, photographs, digits and lamellae figs., Tetrapod reptilia, Colombo, vol. 2, 1953, p. 49, **Deraniyagala, P. E. P. (2)**.

*Cnemaspis*, Key to Ceylon forms; *podihuna*; *jerdoni*; *gracilis*; *kandiana*, *tropidogaster* considered a distinct species from *kandianus* for the lowland form; descriptions, remarks, **Taylor, E. H. (1)**.—*Cnemaspis*, Of Ceylon; *jerdoni scalpensis*; *kandianus kandianus*; *kandianus* ? *gracilis*, heads figd.; *kandianus tropidogaster*, coloured plate, *podihuna*, coloured plate, descriptions, habits, etc., **Deraniyagala, P. E. P. (2)**.—*C. kandiana*, The cochlear apparatus, figs., comparisons with other genera, **Shute, C. C. D. & Bellairs, A. d'A.**

*Coleonyx elegans elegans*, From Quintana Roo, Estados Unidos, Mexico, **Peters, J. A.**—*C. elegans nemoralis*, From N.E. Temilpa, Morelos State, Mexico, **Davis, W. B. & Smith, H. M. (6)**.—*C. brevis*, Ecological association in mountain area of Trans-Pecos, Texas, **Milstead, W. W. (2)**.—The cochlear apparatus, figs., comparisons with other genera, **Shute, C. C. D. & Bellairs, A. d'A.**

*Cosymbotus platyurus*, Of Ceylon, **Taylor, E. H. (1)**.

*Geckoella triedrus*, Of Ceylon, head fig., description, habits; *yakhuna zonatus*, Of Ceylon, coloured plates; figs. showing variety in markings, description, habits, etc., **Deraniyagala, P. E. P. (2)**.

*Gehyra*, of Ceylon, *mutilata*, head figd., *platyura*, **Deraniyagala, P. E. P. (2)**.—*G. mutilata*, From Sumba Id., **Forcart, L. (2)**.—Of the Hawaiian Ids., on colour variability; habits, eggs, **Oliver, J. A. & Shaw, C. E.**

*Gekko subpalmatus*, From Kweichow Prov., China, Wang, Y. M.—*G. gekko*, from Sumba Id., Forcart, L. (2).—*G. gekko (verticillatus)*, Embryological series available, Hubrecht Laboratory.—From Ulu Langat, Selangor, Tanner, V. M. (1).—*G. verticellatus*, Brain comparison with *Anolis*, Armstrong, J. A. and others.—*G. vittatus*, Of New Guinea, nature notes, Leiker, D. L. (1).

*Gonatodes cf. fuscus*, fig.; From Perija, Venezuela, 1,130 m., Aleman, G. C.—*G. fuscus*, The cochlear apparatus, figs., comparisons with other genera, Shute, C. C. D. & Bellairs, A. d'A.—*G. spinulosus* Amaral, 1932, is a synonym of *G. hosemanni* Griffin, 1917, notes on specimen from Iquiri; *G. helgae* Amaral, 1950, is a synonym of *Gymnodactylus gekkoides darwini* (Gray, 1845); *Gonatodes oxycephalus* Werner 1894, discussed, proposed that it be removed to genus *Lepidoblepharis* as species inquirenda, Vanzolini, P. E. (5).

*Gymnodactylus*, On machinery of movement, Gray, J.—Key to Ceylon species; *collegalensis*, *yakhuna*, *triedrus*, *frenatus*, descriptions, remarks, Taylor, E. H. (1).—*G. frenatus*, Of Ceylon, head figd., coloured plate, description, habits; *yakhuna zonatus*, Of Ceylon, coloured plate, Deraniyagala, P. E. P. (2).—*G. gekkoides*. On geographical differentiation; ecology including egg-laying and incubation time, nest making; 3 sub-species are recognised, *g. darwini*, from Espirito Santo to Sao Paulo (from the coast to 100 miles inland); *g. gekkoides* from Salvador (Bahia) to N. Paraiba; *g. amarali*, from the Rio Parnaiba on the north to the Rio das Mortes inland, to S.E. Goiaz south and to W. Bahia east; bionomic data, including egg-laying of *g. darwini*, Vanzolini, P. E. (2).—*G. kotschy*, The cochlear apparatus, figs., comparisons with other genera, Shute, C. C. D. & Bellairs, A. d'A.—In Yugoslavia, Karaman, S.—Radovanović, M. (1).—*G. kotschy saronica* Werner 1937, Lectotype fixed, Wettstein, O. (1).—*G. kotschy rarus*, subsp. nov. (p. 252) type from Inselchen Gaidaros; paratype from Inselchen Mikronisi, bei Hierapetra en der S. Kuste Kreta, *G. kotschy stubbei*, subsp. nov. (p. 252), types from Insel Kufonisi, S.O. Kreta, Anz. öst. Akad. Wiss. 89 1953, Wettstein, O. (1).—*G. kotschy*,

From Aegean Islands, *k. kalypsae*, From Gavdos Id., *k. bartoni*; *k. wettsteini*; *k. rarus* (fig.); *k. stubbei*; from Kreta, *k. oertzeni*, from Karpathos Id.; *k. stepaneki*, from Megali Zafrana Id., Zwei-Bruder Id., Tria Nisia, Ziegeninsel, S.E. Syrina; *k. unicolor*, Karavi Nisia Id., *k. solerii*, Syrina Id., Astropalia Id., Kinaros Id., Levita Id., Makria Id., Mikro Phtheno Id., Megalo Phtheno Id., *k. kotschy solerii*, Heraklea, Schinusa, Kato Kupho, Apiano Kupho, Karos, Amorgos Ids., *k. kotschy*, Jos, Sikinos, Polynos, Kimolos, Milos, Siphnos, Kythnos, Antiparos, Paros, Naxos, Syra, Delos, Rheneia, Mykonos, Tinos, Andros, Skyros, Kyra Panagia, Kythira, Pasathoura Ids.; *k. saronica*, Salamis, Hydra Ids., *k. steindachneri*, Nikaria, Alazonisi, Thimena, Mytilene Ids., Wettstein, O. (3).—*G. marmoratus* (Gray), On geographic range and some variation; Malaya, Riouw Arch., Sumatra and W. Islands; Java, Bali, Lombok; Christmas Id. probable subspecies, Brongersma, L. D. (3).—Nature notes, Leiker, D. L. (1).—*G. serpensisula*, From Serpent Id., also record for Round Id., Vinson, J.

*Hemidactylus* sp., Embryological series available, Hubrecht Laboratory.—Of Ceylon, key to species, *depressus*, head figd., *triedrus lankae*, subsp. nov. for Ceylon form of *triedrus* (p. 46), fig., head figd., *frenatus*, fig., *leschenaulti*, fig., *maculatus huna*, coloured plate, *brookii parvimaculatus*, subsp. nov. Colombo (p. 45), Tetrapod reptilia, Colombo, vol. 2, 1953, Deraniyagala, P. E. P. (2).—Key to Ceylon species; *brookii*; *depressus*; *triedrus*; *leschenaulti*; *frenatus*; *maculatus huna*, descriptions, remarks, Taylor, E. H. (1).—*H. brooki*, From W. Himalayas, Acharji, M. N. & Kripalani, M. B.—*H. brooki angulatus*; *fasciatus fasciatus*, From Port Harecourt area, Nigeria, Romer, J. D. (1).—*H. brooki angulatus*, Of Nigeria, habit notes, Romer, J. D. (3).—*H. flaviviridis*, From Yemen, Schmidt, K. P. 5.—Chromosome study, figs., Asana, J. J. & Makino, S.—On the seasonal perimotogenetic cycle, figs., Kitada, J. & Asana, J. J.—Descriptions of femoral pores, postanal sacs, hemipenes and urinogenital system, figs., Mahendra, B. C.—*H. frenatus* from Sumba Id., Forcart, L. (2).—*H. gardineri* Boul., is a synonym of *H. mercatorius* Gray,

Loveridge, A. (1).—*H. garnoti*, new for Sumba and Timor Ids., Forcart, L. (2).—Of the Hawaiian Ids., habits; incubation period, eggs, Oliver, J. A. & Shaw, C. E.—*H. longicephalus*, from Katanga area, Belgian Congo, Witte, G. F. de.—*H. mabouia*, from Nyasaland, and sighted in N. Rhodesia; habits, variation, etc., Loveridge, A. (1).—From Ijara, N. Kenya, Percy, Lord E. C., H. E. & Ridley, M. W.—From Ketanga area, Belgian Congo, Witte, G. F. de.—*H. mabouia*, *brookii*, *ruspoli*, In Kenya Colony (Tana R.), Percy, H. E., R. C. & Ridley, M. W.—*H. mabouia*; *mercatorius*, From Shire Valley, Nyasaland, Loveridge, A. (4).—*H. mercatorius*, First record from Nyasaland; habits, variation etc., (*H. gardineri* Boul. is referred to the synonymy), Loveridge, A. (1).—*H. turcicus*, Of Yugoslavia, fig., Radovanović, M. (1).—From Isola Montecristo, Mediterranean, Toschi, A.—Kreta, Chania, Berge, Dragonada, Kufonisi, Lafonisi, Kythera, Aegean Ids., Wettstein, O. (3).—*H. turcicus*; *fasciatus*; *maculatus*, The cochlear apparatus, figs., comparison with other genera, Shute, C. C. D. & Bellairs, A. d'A.—*H. turcicus turcicus*, In Yugoslavia, Karaman, S.—Of Cyprus, habitat notes; observations, Birkenmeier, E.—From Yemen, Schmidt, K. P. (5).—From San Luis Potosi, Mexico, Taylor, E. H. (2).—*H. undulatus*, On the carotid arch and origin of the internal carotid artery, figs., Adams, W. E.—*H. yerburyi*, From Yemen, Schmidt, K. P. (5).

*Hemiphyllodactylus typus typus*, Of Ceylon, head figd., coloured plate, Deraniyagala, P. E. P. (2).—Of the Hawaiian Ids., notes on habits; eggs, Oliver, J. A. & Shaw, C. E.—Of Ceylon, Taylor, E. H. (1).

*Lepidodactylus lugubris*, Of Ceylon, head figd., coloured plate, description, habits, Deraniyagala, P. E. P. (2).—Of the Hawaiian Ids., notes on habits, eggs, Oliver, J. A. & Shaw, C. E.—Of Ceylon, Taylor, E. H. (1).

*Lophopholis scabriceps*, Of Ceylon, foot figd., coloured plate, description, Deraniyagala, P. E. P. (2).—Of Ceylon, Taylor, E. H. (1).

*Lygodactylus angolensis* head figs.; *angularis heenei*, figs.; *picturatus gutturalis* figs. & col. pl., from Katanga area, Belgian Congo, Witte, G. F. de.—

*L. capensis* from Nyasaland and Tete; *angularis angularis* from Nyasaland; *picturatus picturatus* first records from Mozambique (nr. Tete); habits; variations, etc., Loveridge, A. (1).—*L. capensis*, From Shire Valley, Nyasaland, Loveridge, A. (4).

*Pachydactylus bibronii turneri*, From Nchalu, Shire Valley, Nyasaland, Loveridge, A. (4).—*P. punctatus punctatus* from Tete; *capensis oshaughnessyi*; *bibronii turneri*, from Tete and first definite locality records from Nyasaland; *tetensis* sp. nov. (p. 175, pl.) Type from Kasumbadedza, nr. Tete, Mozambique; paratype from Lungsole R., S.E. Tanganyika T.; Bull. Mus. comp. Zool. Harv. 110 1953, Loveridge, A. (1).—*P. punctatus punctatus* figs. & col. pl.; *capensis katanganus*, subsp. nov. (p. 37), figs. & col. pl., near *c. rhodesianus*; *tuberculosis* figs., from Katanga, Belgian Congo, Explor. Parc. Nat. Upemba Miss. de Witte, No. 6, 1953, Witte, G. F. de.

*Peropus mutilatus*, Of Ceylon, Taylor, E. H. (1).

*Phelsuma inunguis*, On colour, feeding habits and life and captivity, Lester, J. W. (1).—*P. lineatum*, The cochlear apparatus, figs., comparisons with other genera, Shute, C. C. D. & Bellairs, A. d'A.—*P. m. madagascariensis*, Observations, coloured photo., Mertens, R. (4).

*Phyllodactylus*, In Galapagos Ids., Krefft, G.—*P. europaeus*, From Isola Montecristo, Mediterranean, Toschi, A.

*Phyllopezus*: On synonymy; *Ph. pollicaris pollicaris*, Synonymy, figs., *p. przewalskii* Koslowsky 1895 is a valid race, Vanzolini, P. E. (4).

*Platydictylus*, On embryology, Nelson, O. E.

*Platyurus platyurus*, from Sumba Id., Forcart, L. (2).—From Ulu Langat, Selangor, Tanner, V. M. (1).

*Pristurus crucifer*; *rupestris rupestris*, From Yemen, Schmidt, K. P. (5).

*Ptenopus garrulus*, The cochlear apparatus, figs., comparisons with other genera, Shute, C. C. D. & Bellairs, A. d'A.

*Ptychozoon kuhli*, Observations on sloughing process; photographs of under-surfaces through glass, Kitchener, H. J.—*P. kuhli* (*homalocephalum*), Embryological series and slides available, Hubrecht Laboratory.—*P. hasselquisti hasselquisti*, From Yemen, Schmidt, K. P. (5).

*Quedenfelia tachyblepharus*, Ecological notes in Morocco, Atlas Mtns., Saint Girons, H. (2).—On latent periods in Morocco, Saint-Girons, H. (4).

*Saurodactylus mauritanicus*, Effect of water and temperature in the Atlas Mts., Morocco, Girons, H. St. (1).

*Sphaerodactylus*, Observations on W. Indies forms; nature notes, sizes, etc., Underwood, G. (2).—*S. argus*, The cochlear apparatus, figs., comparisons with other genera, Shute, C. C. D. & Bellairs, A. d'A.—*S. notatus*, Comparative embryology, Nelsen, O. E.

*Stenodactylus guttatus*, The cochlear apparatus, figs., comparison with other genera, Shute, C. C. D. & Bellairs, A. d'A.—*S. pulcher*, From Yemen, Schmidt, K. P. (5).

*Tarentola mauritanica*, Embryological series available, Hubrecht Laboratory.—Of Yugoslavia, Radovanović, M. (1).—On longevity in captivity (7 years), Lepeer, F.—Investigations into neurosecretions, Stutinsky, F.—*T. mauritanica mauritanica*, Effect of water and temperature in the Atlas mtns., Morocco, Saint Girons, H. (1).—Ecological notes in Morocco, Atlas Mtns., Saint Girons, H. (2).—In Yugoslavia, Karaman, S.—From Zisterne, Aegean Id., Wettstein, O. (3).

*Thecadactylus ? rapicaudus*, From cave deposits in Yucatan, Hatt, R. T. & Langebartel, D. A.—*T. rapicaudus*, From Perija, Venezuela, 200 m., Aleman, G. C.—First record for territory, Quintana Roo, Estados Unidos, Mexico, Peters, J. A.

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Key to species of Nyasaland, Loveridge, A. (1).

*Angolosaurus*, gen. nov. for species *Gerrhosaurus skoogi* And. 1916; type locality Port Alexander, S. Angola; Ann. Transv. Mus. 22 2 1953 p. 215 toes fig., Fitzsimons, V. (1).

*Gerrhosaurus auritus bulsi*, In the Musée royal du Congo belge, Laurent, R. (2).—*G. nigrolineatus*, figs., *auritus*, figs. & col. pl., from Katanga, Belgian Congo, (*G. n. auritus* Boettg. is a synonym of *G. auritus* Boettg.), Witte, G. F. de.—*G. nigrolineatus nigrolineatus*, From Port Herald, Shire R., Nyasaland, Loveridge, A. (4).—*G. skoogi* And. 1916, is referred to new genus *Angolosaurus*, Fitzsimons, V. (1).—*G. validus validus*, from Nyasaland and Mozambique; *major grandis*, first record for Nyasaland; *m. major*, from Mozambique; *nigrolineatus nigrolineatus*, first records from Nyasaland and Mozambique; *flavicularis flavicularis*, from Nyasaland and Mozambique, Loveridge, A. (1).

*Tetradactylus boulengeri lundensis* Monard, *T. fitzsimonsi simplex* Laurent are synonyms of *T. fitzsimonsi boulengeri* Witte, Witte, G. F. de.—*T. fitzsimonsi boulengeri*, fig., from Katanga, Belgian Congo, Witte, G. F. de.

#### HELODERMIDAE

†*Heloderma matthewi* in Oligocene of N.E. Colorado, Galbreath, E. C.—*H. suspectum*, Comparative embryology, Nelsen, O. E.—History of two bites, Shannon, F. A. (2).

#### †HYPORHINIDAE

*Hyporhina galbreathi*, Oligocene of N.E. Colorado, Galbreath, E. C.

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List of types in Stanford University Museum, Leviton, A. E. (1).—List of species extinct or endangered in the Caribbean area, Westermann, J. H.

†*Aciprion formosum* and *A. majus* in Oligocene of N.E. Colorado, Galbreath, E. C.

*Amblyrhynchus cristatus*, Of Galapagos Ids., Krefft, G.

*Anolis*, On birth in captivity, Cock, J. J. (2).—On sex-dimorphism, Guibé, J. (1).—Observations on W. Indies forms, habits, etc., Underwood, G. (2).—*A. carolinensis*, in Louisiana, Anderson, P. K., Liner, E. A. & Etheridge, R. E.—Comparative biochemistry, temperature effects, on hibernation, Dessauer, H. C.—In Florida, Goin, C. J. & O. B. (2).—Habitats in New Orleans, Krefft, G.—Note on colour in vivarium and tem-



perature, **Lersel, R. van.**—Comparative embryology, **Nelsen, O. E.**—*A. c. carolinensis*, From Texas, new county records, **Jefferson, Newton, Guidry, E. V.**—*A. c. porcatus*, Of the Hawaiian Ids., on introduction dates and establishment, **Oliver, J. A. & Shaw, C. E.**—*A. cybotes longitibialis*; *distichus wetmorei*, Both very rare on Beata Id., **Westermann, J. H.**—*A. lineatopus*; *garmani*; *grahami*, On the olfactory apparatus and telencephalon, figs., **Armstrong, J. A., Gamble, H. J., Goldby, F.**—*A. lineatus*, In Curacao, **Krefft, G.**—*A. nebulosus*, From Morelos State, Mexico, **Davis, W. B. & Smith, H. M. (6).**—*A. pachypus*, 4,500–7,000 ft.; *pentaprius*, 6,000 ft., From El Volcan de Chiriqui, Panama, **Walters, V.**—*A. sagrei*, Notes on the following subspecies:—*s. stejnegeri*, abundant in Key West; *s. ordinatus*, from S.W. Miami, Dade Cnty., possible results of escaped captive specimens; *s. sagrei*, reported in S.W. Miami, **Bell, L. N.**—*A. sagrei*, Recorded in the United States in the Miami area, **Willis, E. T.**—*A. sallaei*, From San Luis Potosi, Mexico, **Taylor, E. H. (2).**

*Basiliscus*? From cave deposits in Yucatan, **Hatt, R. T. & Langebartel, D. A.**—*B. ? vittatus*, From cave deposits in Yucatan, **Hatt, R. T. & Langebartel, D. A.**—*B. americanus*, On sex-dimorphism, fig., **Guibé, J. (1).**—*B. basiliscus*, Of Panama Canal Zone, **Krefft, G.**

*Chamaelinorops barbouri*, Exterminated in Navassa, **Westermann, J. H.**

*Corythophanes cristatus*, On behaviour, locomotion, defence, offence, etc., photographs, **Davis, D. D.**

*Crotaphytus collaris*, Ecological association in mountain area of Trans-Pecos, Texas, **Milstead, W. W. (2).**—*C. collaris collaris*, On the carotid arch and origin of the internal carotid artery, figs., **Adams, W. E.**—In Lake Texoma area, Texas/Oklahoma, **Bonn, E. W. & McCarley, W. H.**

*Ctenosaura pectinata*, From Morelos State, Mexico, **Davis, W. B. & Smith, H. M. (6).**—*C. ? similis similis*, From cave deposits in Yucatan, **Hatt, R. T. & Langebartel, D. A.**

*Cyclura collei*, Practically exterminated on Jamaica by mongoose; *cornuta cornuta*, rare on Beata Id.; *c. nigerrima*,

extinct on Navassa; *C. stejnegeri* rare on Mona; *figginsi*, probably exterminated, Bitter Guana Cay; nr. Great Guana Cay, Exuma Group, Bahamas; *inornata*, probably exterminated, U. Cay in Allen's Harbour nr. Highborn Cay, Bahamas; *macleani caymanensis* fig., numbers reduced, now protected; *m. lewisi*, probably extinct Grand Cayman; *mattea*, recently extinct St. Thomas; *portoricensis*, recently extinct, Puerto Rico, **Westermann, J. H.**—*C. cornuta*, On sex-dimorphism, fig., **Guibé, J. (1).**—In W. Indies, photo., **Underwood, G. (2).**

†*Deltatmema*, gen. nov. (p. 98), *D. premaxillaris* sp. nov. (? Early post Pleistocene), Cave deposits: depths of Actun Spukil (Hatt Coll. Lst. 15), 6 km. S. of Hacienda Calcehtok, Yucatan, **Bull. Cranbrook Inst. Sci. No. 33, 1953**, p. 98, fig. of premaxilla with 2 teeth, **Langebartel, D. A.**, see **Hatt, R. T. & Langebartel, D. A.**

*Dipsosaurus dorsalis dorsalis*, On the ecology, **Norris, K. S.**

*Enyaliosaurus*? From cave deposits in Yucatan, **Hatt, R. T. & Langebartel, D. A.**

*Enyalis coerulescens* Cope; species removed from genus and now correctly referred to genus *Enyalioides*, **Gans, C. & Vanzolini, P. E.**

†*Exostenus serratus* Cope from Oligocene of N.E. Colorado, **Galbreath, E. C.**

†*Gambelia wislizeni* in Pleistocene of McKittrick Asphalt, California, **Brattstrom, B. H. (1).**

*Holbrookia maculata approximans*, From San Luis Potosi, Mexico, **Taylor, E. H. (2).**—*H. m. approximans*; *m. pulchra*, From Huachuca area, Arizona, **Woodin, W. H.**—*H. propinqua propinqua*, range extended 20 miles south into N. Mexico, Tamalipas; observations on validity of subspecies *p. piperata*, as distinct from *p. propinqua*, **Axtell, R. W. & Wasserman, A. O.**—*H. texana*, Ecological association in mountain area of Trans-Pecos, Texas, **Milstead, W. W. (2).**

*Iguana iguana*, In W. Indies, photo., **Underwood, G. (2).**—*I. iguana rhinophlopha*, Remarks and localities in the Caribbean from where it has been or nearly exterminated, **Westermann, J. H.**

? *Laemantus alticoronatus* or *serratus*, From cave deposits in Yucatan, Hatt, R. T. & Langebartel, D. A.

*Liocephalus carinatus coryi*, Observations on tail display, figs., courtship display, Evans, L. T. (1).—*L. eremitus*, probably extinct? Navassa, Westermann, J. H.—*L. schreibersii*, On sexual dimorphism, figs., Guibé, J. (1).

*Liolaemus*, Bibliography of paper published in vol. 1, 8, 17–15, 1952, Invest. Zool. Chil.; Hellmich, W. (1).

*Phenacosaurus nicefori*, fig., From Perija, 2,900 m., Venezuela, Aleman, G. C.

*Phrynosoma* sp. (? *cornutum*), On the carotid arch and origin of the internal carotid artery, figs., Adams, W. E.—*P. cornutum*, In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—Abstract of thesis on skull osteology, Detrie, A. J.—From Texas, new county record, Jefferson, Orange, Guidry, E. V.—Notes on habitat, Krefft, G.—Comparative embryology, Nelsen, O. E.—*P. cornutum*; *douglasi hernandesi*; *solare*, From Huachuca area, Arizona, Woodin, W. H.—†*P. coronatum*, From Pleistocene of Rancho La Brea, Los Angeles, California, Brattstrom, B. H. (1).—*P. douglasi brevirostre*, First record for N. Dakota, Tinkham, E. R.—*P. d. hernandesi*, On food and birth of young, Tanner, W. W. (2).—*P. douglasi ornativissimum*, ants as diet preference in Utah, Knowlton, G. F. & Baldwin, B. A.—*P. modestum*, Ecological association in mountain area of Trans-Pecos, Texas, Milstead, W. W. (2).—*P. orbiculare orbiculare*, From San Luis Potosi, Mexico, fig., Taylor, E. H. (2).—*P. orbiculare alticola*, subsp. nov., type locality, 4 km. N. Tres Cumbres, 10,200 ft., Morelos, Mexico, Proc. biol. Soc. Wash. 66 1953 : 27, Davis, W. B. (1).—From Morelos State, Mexico, Davis, W. B. & Smith, H. M. (6).—*P. platyrhinus goodei*, Northern range examples from Rancho Maria del Carmen, Sonora; subspecies should be removed from Arizona faunal list; note on intergrades, Cliff, F. S.

*Sceloporus*, species from Morelos State, Mexico, *aeneus*, observations on relationships between *aeneus* and *bicanth-*

*alis*; *horridus horridus*; *jarrovi sugillatus*; *grammicus microlepidotus*; *gadoviae*; *ochoterenae*; *torquatus torquatus*; *scalaris scalaris*, Davis, W. B. & Smith, H. M. (6).—*S. g. graciosus*, Notes on insect food in Utah, Knowlton, G. F.—†*S. graciosus* and †*S. occidentalis* from Pleistocene of California, Brattstrom, B. H. (1).—*S. macdougalli*, sp. nov., from Rincón Bamba, 22 mls. S.W. of Tehuantepec, Oaxaca, Mexico, Herpetologica 9 1953, p. 186, figs., pls., Smith, H. M. & Bumzahem, C. B.—†*S. magister occidentalis*, From Pleistocene of Rancho La Brea, Los Angeles, California, Brattstrom, B. H. (1).—*S. malachiticus malachiticus*, From El Volcan de Chiriqui, Panama, up to 11,200 ft., Walters, V.—*S. merriami*; *poinsetti*; *magister*; *undulatus*, Ecological association in mountain area of Trans-Pecos, Texas, Milstead, W. W. (2).—*S. occidentalis*, Taken from dam area at San Joaquin, California, Cohen, N. W. & Wood, S. F.—As prey of bobcat in California, Leach, H. B. & Frazier, W. H.—*S. orcutti*, On the development of diencephalic nuclei and mesencephalic relations, figs., Bergquist, H.—*S. parvus parvus*; *grammicus disparilis*; *spinosus spinosus*; *jarrovi minor*; *dugesii intermedius*, first record from this state; *serrifer cariniceps*; *torquatus melanogaster*; From San Luis Potosi, Mexico, Taylor, E. H. (2).—†*S. robustus*, sp. nov. (p. 70) Pliocene of Kansas, Copeia, 1952, Twente, J. W.—*S. undulatus*, On the carotid arch and origin of the internal carotid artery, figs., Adams, W. E.—†*S. undulatus* in Pleistocene of Florida, Brattstrom, B. H. (2).—*S. u. undulatus*, in Louisiana, Anderson, P. K., Liner, E. A. & Etheridge, R. E.—In Florida, Goin, C. J. & O. B. (2).—*S. undulatus hyacinthinus*, In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—From Texas, new county records, Newton, Guidry, E. V.—From camp Pickett, Virginia, Hoffman, R. L.

*Tropidodactylus onca*, From Perija, Venezuela, 1130 m., Aleman, G. C.—From Isla Tortuga, Venezuela, Campo, R. M. del.

*Tropidurus*, In Galapagos Ids., Krefft, G.—†*T. torquatus hispidus*, From San Juan de los Morros, Guárico, Venezuela, Campo, R. M. del.

*Urosaurus bicarinatus bicarinatus*, From Morelos State, Mexico, Davis, W. B. & Smith, H. M. (6).

*Uta ornata wrighti*, First record from Wyoming; *ornata chiricahuae*, note on distribution, and status, should be synonym of *linearis*; *ornata levis*, sub-specific validity questioned; *graciosa*, extended range to nr. Coolidge, Pinal Cnty., Arizona, Murray, K.—†*U. stansburiana*, From Pleistocene of Rancho La Brea, Los Angeles, California, Brattstrom, B. H. (1).—*U. stansburiana*, Taken from dam area at San Joaquin, California, Cohen, N. W. & Wood, S. F.—Ecological association in mountain area of Trans-Pecos, Texas, Milstead, W. W. (2).

#### LACERTIDAE

Key to species of Nyasaland, Loveridge, A. (1).

*Acanthodactylus boskianus asper*, From Yemen, Schmidt, K. P. (5).—*A. schreiberi*, In Cyprus, Birkenmeier, E.—*A. tristrani orientalis*, Observations of specimens in Palmyra, Syria; behaviour, burrow design plan, Riney, T.

*Algiroides africanus* figs., from Katanga, Belgian Congo, Witte, G. F. de.—*A. nigropunctatus*, In Yugoslavia, Karaman, S.—Head figs., Radovanović, M. (1).

*Cabrila leschenaultii*, Of Ceylon, Taylor, E. H. (1).—*C. leschenaultii lankae*, subsp. nov. Ceylon, Tetrapod reptilia, Colombo, vol. 2, 1953, p. 83, fig., Deraniyagala, P. E. P. (2).

*Eremias argus*, From Korea, Tanner, V. M. (2).—*E. guttulata guttulata*, From Yemen, Schmidt, K. P. (5).

*Holaspis guentheri*, From Port Harcourt area, Nigeria, Romer, J. D. (1).—Col. pl., from Katanga, Belgian Congo, Witte, G. F. de.—*H. guentheri laevis*, Werner, second record for Nyasaland; name *laevis* revived for E. African race, Loveridge, A. (1).

*Ichnotropis bivittata* col. pl.; *overlaeti*; *longipes*, from Katanga, Belgian Congo, Witte, G. F. de.—*I. capensis*, from Nyasaland, observations on variations and races; *longipes* Boul. and *overlaeti* Witte & Laurent are synonyms of *capensis*; *squamulosa* from Nyasaland, Loveridge, A. (1).

*Lacerta*, Morphology of olfactory system, figs., Allison, A. C.—Physiology of the nervous system, comparable, Buddenbrock, W. v.—On body size and variation in Adriatic forms, Radovanović, M. (3).—On species found on Isola Montecristo, Mediterranean, Toschi, A.—From the Aegean Ids., Wettstein, O. (3).—Key to Czech forms, heads figured, Stepanek, O.

*Lacerta agilis*, On the development of diencephalic nuclei and mesencephalic relations, figs., Bergquist, H.—On pterin and riboflavin, Gündler, I.—Embryological series and slides available; Embryological development table, Hubrecht Laboratory.—On age records in captivity (? 3 years), Lepeér, F.—Of Gt. Britain, photo., Leutscher, A. (1).—Geographic range in Aargau Canton, Switzerland, Mittelholzer, A.—Experiments on organisers, Nakao, Y.—Hyperkeratosis and carcinoma planocellulare, Stolk, A.—*Lacerta (Lacerta) agilis*, Geographical range in Neuchâtel Canton, Switzerland, Aellen, V. & Perret, J.-L.—*L. agilis*; *a. bosnica*, Of Yugoslavia, head figs., Radovanović, M. (1).—*L. agilis agilis*, In S. Eifel, N.W. Germany, Molle, F. (2).—Czech form, head fig., Stepanek, O.—Of Neuchâtel, Switzerland, Aellen, V.—*L. agilis agilis*; *a. spinalis*, In Yugoslavia, Karaman, S.

*Lacerta andreanskyi*, On latent periods in Morocco, Saint-Girons, H. (4).—Ecological notes in Morocco, Atlas Mtns., Saint-Girons, H. (2).

*Lacerta cameroni* Bedriaga is adult of *Nucras intertexta ornata* (Gray), Loveridge, A. (1).

*Lacerta danfordi oertzeni* Werner 1904, Terratypica: Insel Nikaria, Aegean Sea, Wettstein, O. (1).—*L. danfordi oertzeni*, from Nikaria Id., *d. danfordi*, from Rhodos, Symi, Ids., *d. graeca*, from Demetsana, Kandila and Levidi, Peloponnes; Aegean Ids., Wettstein, O. (3).

*Lacerta echinata*, In the Musée royal du Congo belge, Laurent, R. (2).

*Lacerta erhardii riveti*, In Yugoslavia, Karaman, S.—Of Yugoslavia, Radovanović, M. (1).—*L. erhardii thessalica* Cyrén: Terra typica, Thessalischer Olymp.; *L. erhardii mykonensis* Werner, 1933, Lectotype fixed, Wettstein, O. (1).—*L. erhardii cretensis*, subsp. nov. (p. 252), types from Kisamo Kastelli,

N.W.-Kreta; *L. erhardii leukaorii*, subsp. nov. (p. 253), types from Samaria, Leuka Ori (= Wiesse Berge), S.W.-Kreta; *L. erhardii punctigularis*, subsp. nov. (p. 253), types from Klippe Prassonisi a.d. S.W.-Ecke v. Kreta; *L. erhardii elaphonisii*, subsp. nov. (p. 253) types from Leuchtturninsel Elaphonisii (Lafonisii) a.d. S.W.-Ecke v. Kreta; *L. erhardii obscura*, subsp. nov. (p. 253), corrected to *wereriana*, nom. nov. (p. [3], in ink) types from Inselchen Mikronisi b. Hierapetra; paratypes from Nachbarinsel Gaidaronisi, S. Küste v. Kreta; *L. erhardii rechingeri*, subsp. nov. (p. 254), types from Insel Dragonada, Dionysiaden-Inseln, NO.-Kreta; *L. erhardii schiebelsi*, subsp. nov. (p. 254), types from Insel Dhia bei Candia a.d. N. Küste v. Kreta, —Anz. ost. Akad. Wiss. 89 1953, Wettstein, O. (1).—*L. erhardii*, On Aegean specimens; the following are mainland forms:—*e. riveti*; *e. thessalica*; *e. livadhiaca* (col. plate); the following are island forms:—*e. ruthveni*, Skopelos Id.; *e. mykonensis*, Andros, Tinos, Mykonos, Delos, Syra Islands; *e. thermiensis*, Kythnos Id.; *erhardii erhardii*, Seriphos Id.; *e. naxensis*, Naxos, Heraklea, Ios, Sikinos, Kardiotissa, Pholegandros, Thera, Therasia, Palaeo Kaimeni and Nea Kaimeni Ids. (in Bay of Thera); *e. phytusae*, Phytima Id.; *e. amorgensis*, Amorgos, Keros, Apano Kupho, Anhydros Ids.; *e. kinarensis* (figs.), Kinaros Id.; *e. levithensis*, Levitha Id.; *e. amorgensis/syrinae*, Anaphi, Astropalia Ids.; *e. pachiae*, Pachia Id.; *e. megalophthenae* (figs.), Megalo Phtheno Id.; *e. bünsulicola*, (figs.), Makria, Mikro Phtheno Ids.; *e. ophidusae*, Ophidusa Id.; *e. syrinae* (figs.), Syrina, Zwei-Brüder Ids.; *e. subobscura*, (figs.), Tria Nisia Ids.; *e. zafranae* (figs.), Megali Zafrana Id.; *e. cretensis* (figs.), Kreta (various localities); *e. leukaorii* (figs.) Crete; *e. punctigularis*, Kretas; *e. elaphonisii* Crete; *e. wereriana*, nom. nov., p. 735 (for *L. e. obscura* Wettst. 1952, pre-occupied by *L. saziicola obscura* L. & C.) figs., Crete, Insel Gaidaronisi, *e. rechingeri*, figs., from Dragonada, Paximada Ids., *e. schiebelsi*, from Dhia Id., S.B. öst Akad. Wiss. Abt. 1 162 9–10 1953, Wettstein, O. (3).

*Lacerta fiumana*, Of Yugoslavia, *f. liassana*; *f. kammereri*; *f. argus*; *f. melisellenensis*, fig.; *f. pomoensis*; *f. gracilis*,

subsp. nov. [p. 138] Ciovo; [Amphib. u. Rept. Jugoslaviens, Pub. by Knjiga, Belgrade, 1951], Radovanović, M. (1).

*Lacerta gaigeae* Werner 1930, Is a curious specimen, Wettstein, O. (1).—From Skyros Id., Wettstein, O. (3).

*Lacerta g. galloti*, In Teneriffe, Krefft, G.

*Lacerta gerakuniae* L. Müller, Is a race of *muralis* and not *erhardii*, Wettstein, O. (1).

*Lacerta horvathi*, In Yugoslavia, Karaman, S.—Head fig., Radovanović, M. (1).

*Lacerta jacksoni*, from Katanga, Belgian Congo, Witte, G. F. de.

*Lacerta laevis troodica*; *l. laevis*, In Cyprus, habitat notes; observations, Birkenmeier, E.

*Lacerta lepida*, On latent periods in Morocco, Saint-Girons, H. (4).—*L. lepida pater*, Ecological notes in Morocco, Atlas Mtns., Saint Girons, H. (2).

*Lacerta liffordi hartmanni*, col. pl., *L. l. toronis*, nom. nov., col. pl., with observations on the Balearic Ids. races of *Lacerta*, Zool. Jb. (Allg. Zool.) 64 1953 p. 96, Hartmann, M.

*Lacerta melisellenensis*, Zoogeography of the Adriatic Islands, Radovanović, M. (2).—*L. melisellenensis melisellenensis*, In Yugoslavia, Radovanović, M. (3).

*Lacerta milensis* Bedriaga, is a race of *muralis* and not *erhardii*, Wettstein, O. (1).

*Lacerta mosorensis*, In Yugoslavia, Karaman, S.—Figs., Radovanović, M. (1).

*Lacerta muralis*, in Biella area, Monte Rosa, Italy, Capra, F.—On geographic extension into the W. Carpathians, Slowakei, Czechoslovakia, Gulička, J.—In Yugoslavia, Karaman, S.—Embryological series and slides available, Hubrecht Laboratory.—On age records in captivity (? 3 years), Lepeer, F.—Geographic range in Aargau Canton, Switzerland, Mittelholzer, A.—Of Yugoslavia, head fig., Radovanović, M. (1).—On latent periods in Morocco, Saint-Girons, H. (4).—*L. muralis muralis*, Near over-feeding of young, Molle, F. (1).—In S. Eifel, N.W. Germany, Molle, F. (2).—On Czech forms, Stepanek, O.—Of Neuchâtel, Switzerland, Aellen, V.—



On Aegean specimens, *m. albanica*, from Peloponnes, Greece; *m. milensis*, Milos & Kimolos Ids., *m. schweizeri*, from Antimilos Id., (*L. erhardii schweizeri* Mertens), Wettstein, O. (3).—*L. muralis bocagei*, Effect of water and temperature in the Atlas Mtns., Morocco, Giron, H. St. (1).—Ecological notes in Morocco, Atlas Mtns., Saint Giron, H. (2).—*L. muralis*, Observations on races of Argentario; *L. muralis paulinii*, subsp. nov., locality: Monte Argentario, Tuscany, W. Italy, Monit. Zool. ital. 60 1953 p. 86, Taddei, A. (2).—*L. muralis quadrilineata* from Sardinia, in terraria, Molle, F. (2).—*L. muralis tili-guerta* on Isola, Montecristo, Mediterranean, Toschi, A.—*Lacerta* (*Podarcis*) in N. Italy, species discussed:—*L. muralis nigriventris*, Liguria, Romagna & Toscana; *L. m. maculiventris*, Pianura Padana, Piemonte vicinity, Lombardia, Veneto & Romagna; *L. m. muralis*, Italia orientale, Appennino Ligure; *L. m. appenninica*, Appennino Tosco-Emiliano (versante Romagnolo); *L. m. rubriventris*, versante Italiano delle Alpi occidentali e centrali; *L. m. nizzarda*, subsp. nov. (p. 82), Nizza; *L. m. borromeica*, Isola Madre (Lago Maggiore); Mem. Soc. tosc. Sci. nat. 59B 1952; Taddei, A. (1).—(*Podarcis*) *muralis muralis*, Geographical range in Neuchatel Canton, Switzerland, (800 m.), Aellen, V. & Perret, J. L.—Geographic range in Piedmont, N. Italy, Tortonese, E.

*Lacerta ocellata*, On age records in captivity (20 years), Lepeer, F.

*Lacerta oxycephala*, In Yugoslavia, Karaman, S.—Of Yugoslavia, head fig., Radovanović, M. (1).—Zoogeography of the Adriatic Islands, Radovanović, M. (2).

*Lacerta peloponnesiaca*, from Peloponnes, Wettstein, O. (3).

*Lacerta perspicillata*, On latent periods in Morocco, Saint-Giron, H. (4).—*L. perspicillata* var. *pellegrini*, Ecological notes in Morocco, Atlas Mtns., Saint Giron, H. (2).—*Lacerta pityusensis isletasi*, nom. nov., col. pl., from the Las Isletas, Mallorca; *L. p. zenonis*, col. pl., *L. p. kameriana*, col. pl., *L. p. frailensis*, col. pl., *L. p. gruni*, col. pl., *L. p. maluguerorum*, col. pl., with observation on Balearic Island races; Zool. Jb. (Allg. Zool.) 64 1953 p. 96, Hartmann, M.

*Lacerta praticola pontica*, In Yugoslavia, Karaman, S.—Head figs., Radovanović, M. (1).

*Lacerta saxicola*? From Seben Dag, 1,200 m. S. of Bolus, S.E. of Amasia, N. Asian Minor, Wettstein, O. (3).

*Lacerta schweizeri* Mertens, Is a race of *muralis* and not *erhardii*, Wettstein, O. (1).

*Lacerta sicula*, In Yugoslavia, Karaman, S.—Zoogeography of the Adriatic Islands, Radovanović, M. (2).—*L. sicula calabresiae*, *L. s. sicula*, on Isola, Montecristo, Mediterranean, Toschi, A.—*L. sicula* in N. Italy, discussed are:—*L. sicula campestris*, Veneto, Emilia & Liguria; *L. s. zangerhii*, subsp. nov. (p. 68), Romagna; *L. s. taurinica*, subsp. nov. (p. 69), Piemonte; Mem. Soc. tosc. Sci. nat. 59B, 1952; Taddei, A. (1).—*L. sicula*, Of Yugoslavia; *s. campestris*; *s. ragusae*; *s. kolombatovici*; *s. adriatica*; *s. pelagosae*; *s. cazzae*, Radovanović, M. (1).—*L. sicula cazzae*, In Adriatic Islands, Radovanović, M. (3).—*L. (Podarcis) sicula campestris*, Geographic range in Piedmont, N. Italy, Tortonese, E.

*Lacerta strigata*, On Aegean specimens; *s. diplochondrodes*, from Rhodes; *s. polylepidota*, from Crete; *s. trilineata*, from Insel Kos; Peloponnes; *s. hantschweizeri*, from Milos Ids., Wettstein, O. (3).—*L. strigata diplochondrodes*, subsp. nov., (p. 254), types from Monolito and Iannadi, Insel Rhodes; *L. strigata polylepidota*, subsp. nov. (p. 255), type from Chania (= Canea), N.W. Kreta; paratypes from Ganze Insel Kreta, Insel Theodoro an der Nordküste Kretas, Insel Kythera (= Cerigo) westlich von Kreta,—Anz. öst. Akad. Wiss. 89 1953, Wettstein, O. (1).—*L. strigata major*, In Yugoslavia, Karaman, S.

*Lacerta taurica*, Of Yugoslavia, Radovanović, M. (1).—*L. taurica taurica*, On Czech forms, fig., Stepanek, O.—*L. taurica taurica*: On Aegean specimens; *t. thasopulae*, from Thasopulo Id.; *t. ionica*, from Peloponnes, Wettstein, O. (3).—*L. taurica taurica*; *t. firmana*, In Yugoslavia, Karaman, S.

*Lacerta trilineata*, = *L. viridis*, Of Yugoslavia, Radovanović, M. (1).—*L. trilineata trilineata*, Zoogeography of the Adriatic Islands, Radovanović, M. (2).

*Lacerta viridis*, Brain comparison with *Anolis*, Armstrong, J. A. and others.—In Biella area, Monte Rosa, Italy; Capra, F.—Radiographic study on heart and circulation, Foxon, G. E. H., Griffith, J. & Price, M.—Effect of sun-rays on skin, Jovancic, L.—On age records in captivity (10 years), Lepeer, F.—Presence in England, Leutscher, A. (1).—Tail anatomy in relation to autotomy and comparison with other species; conclusion that autotomy cannot take place, figs. Quattrini, D.—Cure for eye trouble in captive specimens, Reyst, A. T. (3).—Breeding in captivity in England, Sayer, P.—Range in Germany, Bonn to Munster, Rhine area, Vianden, J.—Of Yugoslavia, head fig., *v. major*, fig. (*L. trilineata*), Radovanović, M. (1).—*L. viridis viridis*, In Yugoslavia, Karaman, S.—Geographic range in Piedmont, N. Italy, Tortonese, E.—On Czech forms, fig., Stepanek, O.—From Samothrake Id., Wettstein, O. (3).—*L. viridis citrovittata* Werner 1938, Is a synonym of *L. v. aurata* Bed. 1882, Wettstein, O. (1).

*Lacerta vivipara*, Of Neuchatel, Switzerland, Aellen, V.—Brain comparison with *Anolis*, Armstrong, J. A. and others.—Dorset records, Dalton, R. F.—In Biella area, Monte Rosa, Italy; Capra, F.—Useful rôle in comparison with other lizards in Russia, Darevski, I. S. (2).—On voice, Falck, J. W.—On development of the parietal organs and nervous system and organogeny of this region, figs., Haffner, K. v.—Abundant in Holt District, Norfolk, H[olmes], R. M.—In Yugoslavia, Karaman, S.—On age records in captivity (? 3 years), Lepeer, F.—Of Gt. Britain, photo., Leutscher, A. (1).—Geographic range in Aargau Canton, Switzerland, Mittelholzer, A.—In S. Eifel, N.W. Germany, Molle, F. (2).—Tail anatomy in relation to autotomy and comparison with other species; conclusion that autotomy cannot take place, figs., Quattrini, D.—Of Yugoslavia, head figs., Radovanović, M. (1).—From Czechoslovakia, fig., Stepanek, O.—*L. (Zootoca) vivipara*, Alpi & Prealpi italiane, Taddei, A. (1).—Geographic range in Piedmont, N. Italy, chart, Tortonese, E.—Geographical range in Neuchatel Canton, Switzerland, (1,165 m.), Aellen, V. & Perret, J.-L.

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*Nucras intertexta ornata*, from Nyasaland and Mozambique, habits, etc., Loveridge, A. (1).

*Ophiops elegans schlueteri*, In Cyprus, Birkenmeier, E.

*Ophisops elegans ehrenbergii*, from Rhodos, Simi, Kalymnos, Kos, Furni, Samos, Ikaria, Chios, Mytilene, Agiostrati, Lemnos Ids., Wettstein, O. (3).

*Philochortus neumanni*, From Yemen, Schmidt, K. P. (5).

*Psammodromus algerus*, Effect of water and temperature in the Atlas Mtns., Morocco, Girons, H. St. (1).—Ecological notes in Morocco, Atlas Mtns., Saint Girons, H. (2).

*Takydromus amurensis*, From Korea, note on variation from normal, Tanner, V. M. (2).—*T. tachydromoides*. Distribution of acid and alkaline phosphatases in kidney and epididymis, Iwahashi, S.—Experiments on organisers, Nakao, Y.—Effect of a synthetic androgen on the kidney, figs., Yamao, Y. & Watanabe, H.

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*Emoia*, Notes on divergent evolution; distribution in Marshall Ids.; *whitneyi* Burt and *nigrita* Baird are synonyms of *nigra*; the following Marshall Id. species are considered distinct; *boettgeri*; *boettgeri orientalis*, subsp. nov., type localities, Ine Id., Dodo Id., Autore Id., Arno Atoll, Marshall Ids.; *ahli*; *flavicularis*; *kukenthali*; *nigra*; *nigromarginata*; *sorex*; *speiseri*; *arnoensis*, sp. nov., type localities: Chittakiumatoroen Id., Ijoen, Eneman, E. Tagelib, Pixaereji, Rakauru Ids., Arno Atoll, Marshall Ids., (p. 201); figs. of heads of 4 species; Copeia 1953, Brown, W. C. & Marshall J. T.—*E. baudini baudini*, fig., notes on variations; re-described; range, Manokwari area, Dutch New Guinea; *E. baudini verecunda*, subsp. nov., type locality:—Marienberg, Sepik R., Australian New Guinea (p. 6); range:—Sepik R. basin, the Hollandia area and Jobi Id.—*E. pallidiceps pallidiceps*, range, S. drainage in St. Joseph R. district, and N. drainages of Astrolabe Bay region; Sepik R., and Mamberamo R., New Guinea.—*E. pallidiceps mazima*, subsp. nov., type locality:—Hollandia, Dutch N. Guinea; paratypes, Hollandia, D.N.G., and Aitape, Australian N. Guinea (p. 10).—*E. loweridgei*, sp. nov. type from Toem, Dutch N. Guinea; paratypes from Toem, D.N.G., and Wau and Gusika, Australian N. Guinea, (p. 10).—*E. submetallica submetallica*, range:—Yule Id. and the St. Joseph and Kabuna R. drainages, in the Hall Sound area S. of the main divide in New Guinea.—*E. s. obscura*, range:—Mamberamo drainage system.—*E. s. popei*, subsp. nov., type from Marienberg, Australian N. Guinea; paratypes from:—Marienberg and Cape Endaiadere, Papua, N. Guinea, (p. 18).—*E. s. bogerti*, types from:—Balim R. camp, Balim R., Dutch N. Guinea (p. 18).—figs. of all of above dorsal colour patterns.—*E. physicae physicae* D. & B., revived from synonymy of *baudini*; range N. New Guinea from Cape Endaiadere to Jobi Id.; *E. p. tropidolepis* (Boul.), range. Mimika R., area and some drainages on E. & W. shores of the Gulf of Papua.—*E. p. oribata*, subsp. nov., type from 850 metre camp, Araucaria Creek (5 kilom. S.W. of Bernhard camp on Idenburg R.), Dutch New Guinea; paratypes from 850 metre camp and 1200 metre camp.—*E. acrocarinatum* (Kopstein), revived from

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†*Eumeces* sp. in Pleistocene of Florida, Brattstrom, B. H. (2).—*Eumeces algeriensis*, Effect of water and temperature in the Atlas Mtns., Morocco, Girons, H. St. (1).—*E. anthracinus*, in Louisiana, Anderson, P. K., Liner, E. P. & Etheridge, R. E.—*E. belli*, resurrected as a valid species; type locality designated as 15 mls. east of Poza Rica, Veracruz, Mexico; pls., discussion, variation, phylogeny and zoogeography, Smith, H. M. & Etheridge, R.—*E. brevilineatus*; *obsoletus*, Ecological association in mountain area of Trans-Pecos, Texas, Milstead, W. W. (2).—*E. callicephalus*; *obsoletus*, From Huachuca Area, Arizona, Woodin, W. H.—*E. copei*, From Morelos State, Mexico, Davis, W. B. & Smith, H. M. (6).—*E. fasciatus*, From Texas, new county records, Jefferson, Newton, Guidry, E. V.—Aiken and Barnwell Counties, S. Carolina; *laticeps*, from Aiken Cnty., These are first county records, Hoy, W. E. and others.—*E. fasciatus*; *laticeps*, In Lake Texoma area, Texas—Oklahoma, Bonn, E. W. & McCarley, W. H.—*E. fasciatus*, *inexpectatus*, From camp Pickett, Virginia, Hoffman, R. L.—*E. gilberti*, Taken from dam area at San Joaquin, California, Cohen, N. W. & Wood, S. F.—†*E. gilberti* in Pleistocene of McKittrick Asphalt, California, Brattstrom, B. H. (1).—*E. laticeps*, In Florida, Goin, C. J. & O. B. (2).—*E. latiscutatus*, Chromosomes, Asana, J. J. & Makino, S.—*E. lynae lynae*, From San Luis Potosi, Mexico, Taylor, E. H. (2).—*E. obsoletus*, Recorded from Sonora, Mexico; a range extension, Cliff, F. S.—*E. schneideri*, Cure of eye trouble in captive specimen, Beyst, A. T. (3).—*E. schneideri pavimentatus*, In Turkey, Mertens, R. (7).—†*E. skiltonianus*, From Pleistocene of Rancho La Brea, Los Angeles, California, Brattstrom, B. H. (1).—†*E. striatulus*; Pliocene of Florida, Twente, J. W.—*E. tetragrammus*, In Texas, notes on winter habitat, Artell, R. W. & Wasserman, A. O.



†*Eumecoides hibbardi*, and †*Eumecoides mylocoelus*, Pliocene of Florida, Twente, J. W.

*Evesia monodactyla*, Of Ceylon, coloured plate, Deraniyagala, P. E. P. (2), (3).

*Leiopisma*, Key to Australian species and races; the following are recognised: *fuscum fuscum* (the synonymy is: *Heteropus schmeltzii*, *tricarinatus*; *longipes*; *sexdentatus*; *maculatus*; *rubricatus*; *rostralis*); *fuscum variegatum* (the synonymy is:—*Heteropus quinquecarinatus*; *chevarti*; *luctuosus*; *Lygosoma atrogulare*; *L. nigrigulare*; *L. pullum*; *L. f. diguliense*); *vertebralis* fig. (the synonymy is *Lygosoma mundivense*; *L. waitei*, nom. nov. for *vertebralis* as preoccupied in *Lygosoma*); *coense*, sp. nov. (p. 82, head fig.) type locality Coen, N. Queensland, (*Leiop. vertebralis* Loveridge (nec. De Vis) 1934, p. 361 is a synonym); *tetradactyla*; *maccoveyi*; *bicarinatum* (the synonymy includes *Heteropus albertisii*, Peters & Doria; *L. albertisii* Barb. 1914; *L. peronii* Barbour (nec. D. & B.), 1914); *rhomboidalis*; *novaeguineae* (the synonymy includes *Lyg. laeve* Oudem.; *L. aeratum* Barb.); *vivax* (synonymy is *Heteropus peronii* D. & B. 1839, p. 760 (suppressed as a homonym in the genus *Lygosoma*; *blackmanni* De Vis, 1885, p. 168); *pectoralis* (the synonymy is *Carlia melanopogon* Gray, 1844, pl. vii, fig. 1 (homonym in the genus *Lygosoma*; *Heteropus lateralis* De Vis, 1885, p. 168 (homonym in the genus *Lygosoma*); *H. mundus* De Vis, 1885, p. 172; *Lygosoma devisii* Boul. 1890, p. 79 (n.n. for *lateralis* De Vis as preoccupied in the genus *Lygosoma*; ? *Lygisaurus foliorum* De Vis, 1884, p. 77); *triacantha*, sp. nov. (p. 88, head fig.) type locality Adelaide; paratypes, Adelaide & Darwin, N. Territory, Australia;—Rec. Aust. Mus. 11 1 1953, Mitchell, F. J.—*L. caudaequinae*, From San Luis Potosi, Mexico, Taylor, E. H. (2).—*L. himalayana*, From Kangra and Kulu districts (6,200 ft.), W. Himalayas, Acharji, M. N. & Kripalani, M. B.—*L. himalayana*; from Nepal, *L. ladacense*, from Nepal, altitude record 18,000 ft., Smith, M. A. & Battersby, J. C.—*L. (Leiopisma) flavipes flavipes*, In Dutch New Guinea, Forcart, L. (1).—*L. (Leiopisma) fuscum fuscum*, In Dutch New Guinea, *L. f. luctuosum* is a synonym,

Forcart, L. (1).—*L. (Leiopisma) metallicum*, Of the Hawaiian Ids. (*L. hawaiiensis* Lov. becomes a synonym), habit notes, Oliver, J. A. & Shaw, C. E.—*L. (Leiopisma) noctua noctua* Of the Hawaiian Ids., on habits; on number of embryos, Oliver, J. A. & Shaw, C. E.—*L. (Leiopisma) stanleyanum stanleyanum*, In Dutch New Guinea, Forcart, L. (1).—*L. (Leiopisma) venemai*, sp. nov., type from Djidmaoe; paratypes from Ajamaroe, Dutch New Guinea, 850 ft.; author's note:—If recent classification is accepted the species should be placed in the genus *Scincella*, Proc. Acad. Sci. Amst. 56C, 2, 1953, p. 137, Brongersma, L. D. (1).—Photo of type, Brongersma, L. D. (2).—*L. (Leiopisma) vittigerum*, From Ulu Langat, Selangor, fig. of head, Tanner, V. M. (1).—*L. atrocostatum*, Of New Guinea, general notes, Leiker, D. L. (1).—*L. cyanurum*, Of New Guinea, general notes, Leiker, D. L. (1).—Notes on behaviour in vivarium, Leiker, D. L. (2).—*L. laterale*, In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—In Florida, Goin, C. J. & O. B. (2).—*L. mivarti* var. *obscurum* De Jong 1927 (part), is referred to *Emoia submetallica obscura* (de Jong), Brown, W. C.—*L. smaragdinum*, Of new Guinea, general notes, Leiker, D. L. (1).—*L. smaragdinum* var. Notes on behaviour in vivarium, Leiker, D. L. (2).—*L. (Emoia) baudinii pallidiceps*, In Dutch New Guinea, Forcart, L. (1).—*L. (Leptosiaphos) blockmanni*, from Katanga, Belgian Congo, Witte, G. F. de.—*L. (Leptosiaphos) kilimense* figs., from Katanga, Belgian Congo, Witte, G. F. de.—*L. (Leptosiaphos) meleagris*, from Katanga, Belgian Congo, Witte, G. F. de.—*L. (Lygosoma) pratti jeudii*, In Dutch New Guinea, Forcart, L. (1).—*L. (Sphenomorphus) florense florense*, new for Sumba Id.; *emigrans emigrans* from Sumba Id., Forcart, L. (2).

*Mabuya*, of Ceylon, key to species, *carinata lankae*, subsp. nov., for Ceylon forms, (p. 65); *beddomei*, fig.; *macularia*, forma typ. and var. *madaraszi*; figd., *macularia*, coloured plate; *brevis*; *bibroni*, coloured plate, Tetrapod reptilia, Colombo, vol. 2, 1953, Deraniyagala, P. E. P. (2).—Key to species in Ceylon, Taylor, E. H. (1).—*M. agilis*, Trinidad, very rare or extinct, Westermann,

- J. H.**—*M. aurata*, Trinidad very rare or extinct, **Westermann, J. H.**—*M. aurata* (= *septemtaeniata* auct.) *fellowsii*, from Rhods Id., **Wettstein, O.** (3).—*M. aurata aurata*, In Turkey, **Mertens, R.** (7).—*M. blandingii*, from Katanga, Belgian Congo, **Witte, G. F. de.**—*M. blandingi*; *maculilabris maculilabris*, From Port Harcourt area, Nigeria, **Romer, J. D.** (1).—*M. bocagii mlanjensis*, subsp. nov., type locality:—Lichenya Plateau, 6000 ft., Mlanje Mt., Nyasaland; **Bull. Mus. comp. Zool. Harv.** 110, 1953, p. 207, **Loveridge, A.** (1).—*M. capensis*, Habitat notes in Cape Town area, **Mertens, R.** (5).—*M. hildae*, sp. nov., type localities, Nyika Plateau, above Nchenachena, 7000 to 8000 ft., N.W. of Lake Nyasa, Nyasaland, **Bull. Mus. comp. Zool. Harv.** 110 p. 209, 1953, **Loveridge, A.** (1).—*M. homalocephala*, Habitat notes in Cape Town area, **Mertens, R.** (5).—*M. lacertiformis*, from Mozambique and first records from Nyasaland, **Loveridge, A.** (1).—*Mabouya* sp., *multifasciata*, *trivittata*, Embryological series and some slides available, **Hubrecht Laboratory.**—*M. mabouia*, S. & C. America, Bahamas, Antilles (except Cuba), Trinidad. Apparently extinct in St. John, Martinique, St. Lucia, St. Vincent, Grenada, Barbados. In Jamaica very local, **Westermann, J. H.**—*M. m. mabouia*, First record for Morelos State, Mexico, **Davis, W. B. & Smith, H. M.** (6).—*M. macularia*, Chromosome study, figs., **Asana, J. J. & Makino, S.**—*M. maculilabris maculilabris*, fig., from Katanga, Belgian Congo, **Witte, G. F. de.**—*M. maculilabris comorensis*; *m. boulengeri*, first records from Nyasaland, **Loveridge, A.** (1).—*M. megalura*, On the origin and migration of the gonocytes, figs., **Pasteels, J.**—Fig., from Katanga, Belgian Congo, **Witte, G. F. de.**—*M. multifasciata multifasciata*, from Sumba Id., **Forcart, L.** (2).—*M. perrotetii upembae*, subsp. nov., (p. 100, figs. & col. pl.) from localities in Katanga, Belgian Congo, **Explor. Parc. Nat. Upemba. Miss. de Witte** No. 6, 1953, **Witte, G. F. de.**—*M. quinquetaeniata obsti* from Nyasaland; *q. margaritifera*, from Tete, variations remarked, **Loveridge, A.** (1).—*M. quinquetaeniata pulcherrima*, subsp. nov. (p. 103, figs. & col. pl.) from localities in Katanga, Belgian Congo; **Explor. Parc. Nat. Upemba. Miss. de Witte**, No. 6, 1953, **Witte, G. F. de.**—*M. striata*, In Kenya, Tana R., **Percy, H. E., R. C. & Ridley, M. W.**—Fig., from Katanga, Belgian Congo, **Witte, G. F. de.**—*M. striata, brevicollis*, From Ijara, N. Kenya, **Percy, Lord R. C., H. E. & Ridley, M. W.**—*M. striata striata*, From Chiromo and Port Herald; *bocagii melanjensis*, From Chambe Plateau, Mlanje Mt.; *varia varia*, from Zomba Mt., Limbe and nr. Port Herald, Shire Valley, Nyasaland, **Loveridge, A.** (4).—*M. striata ellenbergeri*, from nr. Tete; *striata striata*, from Nyasaland, habits; variations etc., **Loveridge, A.** (1).—*M. tessellata*, From Yemen, **Schmidt, K. P.** (5).—*M. varia varia* fig., from Katanga, Belgian Congo, **Witte, G. F. de.**—*M. varia nyikae*, subsp. nov. (p. 211), type locality, Nyika Plateau, above Nchenachena, 7000 ft., N.W. of Lake Nyasa; *varia varia* from Nyasaland and Mozambique, habits, etc., **Bull. Mus. comp. Zool. Harv.** 110, 1953, **Loveridge, A.** (1).
- Melanoseps*, first record for genus from Nyasaland; *ater ater*; *ater misukuensis*, subsp. nov., type locality, Matipa Forest, Misuka Mtns., 6000 ft., Nyasaland; **Bull. Mus. comp. Zool. Harv.** 110, 1952, p. 220, **Loveridge, A.** (1).—*M. occidentalis*, From Port Harcourt area, Nigeria (? 1st record), **Romer, J. D.** (1).
- Neoseps reynoldsi*, Notes on the life history, Florida, **Cooper, B. W.**
- Nessia*, Key to species in Ceylon, **Taylor, E. H.** (1).—*N. burtoni*; *didactyla* (coloured pl., fig.), of Ceylon, **Deraniyagala, P. E. P.** (2), (3).
- Riopa anchietae*, In the Musée royal du Congo belge, **Laurent, E.** (2).—*R. punctata*, coloured plate, Ceylon, *singha*, Ceylon, **Deraniyagala, P. E. P.** (2).—Of Ceylon, **Taylor, E. H.** (1).—*R. rufescens*, In Dutch New Guinea, **Forcart, L.** (1).—*R. sundevallii*, from Nyasaland and Mozambique; *modesta modesta*, first record for Nyasaland; *johnstoni*, note on holotype and locality, **Loveridge, A.** (1).—*R. sundevallii*, On association of vernacular name "Springschlange," **Mertens, R.** (2).—*Riopa (Riopa) fernandi*, from Katanga, Belgian Congo, **Witte, G. F. de.**—*R. (R.) modestum modestum*, from Katanga, Belgian Congo, **Witte, G. F. de.**—*R. (R.) sundevallii*, fig., from Katanga, Belgian Congo, **Witte, G. F. de.**—*R. (Eumecia) anchietae*, fig., from Katanga, Belgian

Congo, Witte, G. F. de.—*R. (Panaspis) reichenowii*, from Katanga, Belgian Congo, Witte, G. F. de.

*Scelotes arnoldi*, first record for Nyasaland; *tetradactylus tetradactylus*, from Nyasaland; habits, etc., Loveridge, A. (1).—*S. astrolabi*; *gastrostictus*, Observations on aquatic habits in Madagascar, Paulian, R.—*S. occidentalis*; *ater ater*, from Katanga, Belgian Congo, Witte, G. F. de.

*Scincella laterale*, From Texas, new county record, Newton, Guidry, E. V.—On life history, Johnson, R. M.

*Scincus hemprichi*, From Yemen, Schmidt, K. P. (5).

*Sepsina tetradactyla hemptinnei* figs., from Katanga, Belgian Congo, Witte, G. F. de.

*Sphenomorphus*, Key to Ceylon species, *dussumieri*; *megalops*, *striatopunctatus*, *taprobanensis*, *deignani*, *dorsicatenatus*, sp. nov., Sabaragamura Province, (p. 72), figs., *fallax*, fig., Tetrapod reptilia, Ceylon, vol. 2, 1953, Deraniyagala, P. E. P. (2).—Key to species in Ceylon, Taylor, E. H. (1).—*S. fallax*, Of Ceylon, Taylor, E. H. (1).—*S. taeniolatus*, Embryological series available, Hubrecht Laboratory.

*Tiliqua gigas*, Of New Guinea, general notes, Leiker, D. L. (1).—Notes on behaviour in vivarium, fig., Leiker, D. L. (2).—*T. nigrolutea*, Embryological series available, Hubrecht Laboratory.—Cure for eye trouble in captive specimen, Reyst, A. T. (3).—On overwintering, figs., in captivity, Stettler, P. H. (1).—On behaviour in vivarium, photo., Stettler, P. H. (2).—*T. scincoides gigas*, In Dutch New Guinea, Forcart, L. (1).

*Tribolonotus novaeguineae*, In Dutch New Guinea, Forcart, L. (1).—Of New Guinea, general notes, Leiker, D. L. (1).—*T. novaeguineae* fig.; *gracilis*, Notes on behaviour in vivarium, Leiker, D. L. (2).

#### TEIIDAE

List of types in Stanford University Museum, Leviton, A. E. (1).

*Ameiva*, On W. Indies forms, habits, etc., Underwood, G. (2).—*A. aquilina*, St. Vincent (extinct), Grenada (gaining in numbers); *cineracea*, Guadeloupe (nearly extirpated); *dorsalis* Jamaica (re-established); *erythrocephala* St. Kitts (surviving); *exsul*, Puerto Rico, Vieques, Virgin Ids., Anguilla (common everywhere but extinct on St. Thomas); *griszoldi*, Antigua (survives in places), Barbuda; (extinct in Nevis); *navassae*, Navassa (probably extinct); *polops*, St. Croix (extinct); *surinamensis* (survived in Trinidad); Westermann, J. H.—*A. ameiva ameiva*, From San Juan de los Morros, Guárico, Venezuela, Campo, R. M. del.—*A. undulata podarga*, From San Luis Potosi, Mexico, Taylor, E. H. (2).

*Bachia bicolor*, From Perija, Venezuela, 300 m., Aleman, G. C.

*Cnemidophorus* sp., rare on Trinidad mainland, coramon on Bocas Islands, Westermann, J. H.—*C. deppii lineatissimus*, First record from Morelos; *gigas*; *sacki sacki*, From Morelos State, Davis, W. B. & Smith, H. M. (3).—*C. gularis*? Notes, Krefft, G.—*C. gularis*, On the carotid arch and origin of the internal carotid artery, figs., Adams, W. E.—*C. lemniscatus lemniscatus*, Fig., from Perija, 1130 m., Venezuela, note on coloration, Aleman, G. C.—*C. lemniscatus nigricolor*, population study of Los Roques and La Orchila Ids., Venezuela; note on non sexual variation, figs., Aleman, G.—*C. murinus*, In Curacao, Krefft, G.—*C. murinus murinus*, From Isla La Tortuga, Venezuela; *lemniscatus lemniscatus* from San Juan de los Morros, Guárico, Venezuela, Campo, R. M. del.—*C. sacki*; *inornatus*; *tesselatus*; *tigris*, Ecological association in mountain area of Trans-Pecos, Texas, Milstead, W. W. (2).—*C. sacki gularis*, From San Luis Potosi, Mexico, Taylor, E. H. (2).—*C. sacki xanthonotus*, subsp. nov., type locality, Alamo Canyon, Ajo Mtns., approx. 19 mls. N. of international boundary in Organ Pipe Cactus National Monument, Pima Cnty., Arizona, Nat. Hist. Misc. No. 120, 1953, p. 2, pls., figs., Duellman, W. E. & Lowe, C. H.—*C. sexlineatus*, in Louisiana, Anderson, P. K., Liner, E. A. & Etheridge, B. E.—In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—In Florida, Goin, C. J. & O. B. (2).—*C. tessellatus*,

as prey of bobcat in California, **Leach, H. R. & Frazier**.—†*Cnemidophorus tigris*, Pleistocene, McKittrick Asphalt, California, **Brattstrom, B. H.** (1).

*Gymnophthalmus pleii*, Martinique (extinct), St. Lucia (very rare), **Westermann, J. H.**

*Kentropyx intermedius*, N.S. America, extinct on Barbados, **Westermann, J. H.**

*Teius teyou* (*Acrantus viridis* Cope), Note on type locality, **Vanzolini, P. E.** (6).

*Tiaporus fuliginosus*, Swan Island (extinct), **Westermann, J. H.**

*Tretioscincus bifasciatus*, From Perija, 200 m., Venezuela, **Aleman, G. C.**

*Tupinambis nigropunctatus*, Trinidad very rare or extinct, **Westermann, J. H.**—*T. teguixin*, on striated muscle under electronic microscope, **Santos, P. de S.** and others.

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*Varanus*, On sex-dimorphism, **Guibé, J.** (1).—Physiology of the nervous system, **Buddenbrock, W. v.**—On jaw muscles and evolution, compared with parrot, figs., **Hofer, H.**—Key to Nyasaland species, **Loveridge, A.** (1).—Of Ceylon; *salvator salvator*; *bengalensis bengalensis*, **Taylor, E. H.** (1).—*V. exanthematicus*, From Ile de Sal (Pedra de Lume), Cape Verde Ids., **Dekeyser, P.-L. & Villiers, A.**—*V. gouldi*, Of Australia, note on ground habits, photo., **Fletcher, H. O.**—*V. griseus*, On summer - housing arrangements in Vienna, **Kolar, K.**—*V. indicus indicus*, In Dutch New Guinea, **Forcart, L.** (1).—*V. niloticus*, On longevity in captivity, (6 years), **Lepeér, F.**—*V. niloticus niloticus*, from Nyasaland and Mozambique; modification in Merten's key, of colour spots or cross-bars; *exanthematicus microstictus*, note on geographic range; *e. albigularis*, from Mozambique and note on presence in Nyasaland, **Loveridge, A.** (1).—*V. n. niloticus*, From Zomba, Nyasaland, **Loveridge, A.** (4).—*V. (Polydaedatus) niloticus niloticus*; *V. (Empagusia) exanthematicus angolensis*, fig., from Katanga, Belgian Congo, **Witte, G. F. de.**—*V. (Varanus) salvator salvator*, from Sumba Id., **Forcart, L.** (2).—*V. salvator kabaragoya*, Of Ceylon, coloured plate; *cepedianus cepedianus*,

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*Placovaranus komodoensis*, On heart and blood-vessels, **Meinertz, T.**

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†*Impensodens*, gen. nov. (p. 102); *I. arizeloglyphus* sp. nov., (? Early post Pleistocene), cave deposits; depths of Actun Spukil (Hatt Coll. Lot. 15), 6 km. S. of Hacienda Calcehtok, Yucatan Bull. Cranbrook Inst. Sci. No. 33, 1953, p. 102, figs., **Langebartel, D. A.**, see **Hatt, R. T. & Langebartel, D. A.**

*Xantusia vigilis*, The mode of transmission of non-cyst-forming flagellates, **Amrein, Y. U.**—On the modification by temperature of the photoperiodic control of gonadal development, **Bartholomew, Jr., G. A.**—†*X. vigilis*, From Pleistocene of Rancho La Brea, Los Angeles, California, **Brattstrom, B. H.** (1).

#### ZONURIDAE see under

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#### INCERTAE SEDIS

†*Crematosaurus carinicolis*, *C. rhambastes*, *C. unipedalis*, and *Diacium quinquepedale* in Oligocene of N.E. Colorado, **Galbreath, E. C.**

#### SERPENTES

**General: Fossil.**—†*Neurodromicus* not a Crotalid but a Caenophid; *Protagras* Cope = *Boavus* Marsh; *Helagras* is a Boid. *Coniophis* not a viper or Caenophid, **Hoffstetter, R.** (3).

**General: Recent.**—Cave studies in Yucatan, **Hatt, R. T. & Langebartel, D. A.**—Of the Mexican state of Morelos, **Davis, W. B. & Smith, H. M.** (5).—On venom of snakes of France, **Duguy, R.**—On sex-dimorphism, figs., **Guibé, J.** (1).—On zoogeography of Indo-Malay and Australian-New Guinea regions, **Guibé, J.** (2).—Cave studies in Yucatan, **Hatt, R. T. & Langebartel, D. A.**—Variation and arrangement of colour and pattern, figs., **Harnack, M. von.**—Submicroscopic structure of scales as auxiliary character, figs., **Hoge, A. R. & Santos, P. S.** (5).—Notes on *De Vis'* types, **Mack, G. & Gunn, S. B.**—The snakes of Michigan, **Manville, R. H.**—On *A. de Miranda* Ribeiro types in National



Museum, Rio de Janeiro, **Miranda Ribeiro, P. de.**—Statistics on annual snake bites and mortality; biochemistry and mode of action of venoms; geographical distribution of venomous snakes, **Porges, N.**—On the snakes of Malaya, keys, figs., photographs, notes on range, list with bibliography, **Tweedie, M. W. F. (1).**—Aegean species, descriptions, localities, some keys, figs., **Wettstein, O. (3).**—The dangerous snakes of Australia, handbook, notes on venoms and treatment, ranges, habits, photographs, **Worrell, E.**

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*Anomochilus leonardi*, fig., Malaya, **Tweedie, M. W. F. (1).**

*Cylindrophis boulengeri*, new for Timor, **Forcart, L. (2).**—*C. lineatus*, Malayan record deleted, **Tweedie, M. W. F. (1).**—*C. rufus*, On the anatomy, size, growth, food, **Bergman, R. A. M.**—Notes on some habits, **Tweedie, M. W. F. (1).**

*Ilysia scytale*, Observations on the premaxillary dentition and the egg-tooth, fig., **Smith, M. A., Bellairs, A. d'A. & Miles, A. E. W.**

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*Anomalepis colombia*, sp. nov., from La Selva, Pueblo Rico, Dept. of Caidas, Colombia, 1,700 metres. **Feldiana Zool. 34, 1953, p. 197, Marx, H. (2).**

## BOIDAE

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*Boa constrictor constrictor*, 12 years 3 mths.; *c. imperator*, 15 yrs. 3 mths., in captivity, **Perkins, C. B.**—*B. constrictor imperator*, First records for Morelos State, Mexico, **Davis, W. B. & Smith, H. M. (5).**—*B. hortulana*, *h. cooki*, fig., From Perija, Venezuela; note on subspecies, **Aleman, G. C.**—*B. hortulana*, On submicroscopic scale structures as auxiliary character in systematics, comparative figs., **Hoge, A. E. & Santos, P. S. (5).**—S. America, Trinidad, Grenada, Grenadines, St. Vincent; probably not surviving on St. Vincent, **Westermann, J. H.**—*B. hortulana cooki* From Camuri Chico, Macuto, Dist. Federal, Venezuela, **Roze, J. A. (1).**

*Bolyeria multicarinata*, Of Round Islands; on recent data and morphological characters, skull figured, **Vinson, J.**

*Calabaria reinhardti*, photo., of W. African forests, **Rahm, U. (4).**

†*Calamagras murivorus*, *C. angulatus*, and *C. talpivorus*, from Oligocene of N.E. Colorado, **Galbreaith, E. C.**

*Candoia [Enygrus] aspera aspera*, In Dutch New Guinea, *E. asper schmidtii* is a synonym, **Forcart, L. (1).**

*Casarea dussumieri*, Of Round Islands, on recent data and morphological characters, skull figured, **Vinson, J.**

*Charina bottae utahensis*, Habitat in Grand Teton-Jackson Hole area, Wyoming, **Carpenter, C. C. (2).**

*Chodropython viridis*, In Dutch New Guinea, **Forcart, L. (1).**

*Constrictor constrictor*, From Perija, Venezuela; note on intermediate *c. constrictor* and *c. imperator*, **Aleman, G. C.**—*C. constrictor*, Observations on the premaxillary dentition and the egg-tooth, **Smith, M. A., Bellairs, A. d'A. & Miles, A. E. W.**—On submicroscopic scale structure as auxiliary character in systematics, comparative figs., **Hoge, A. E. & Santos, P. S. (5).**—*C. constrictor constrictor*, From Comuri Chico, Macuto, Fed. Dist., Venezuela, **Roze, J. A. (1).**—*C. constrictor amarali*, on stratum corneum under electronic microscope, **Hoge, A. E. & Santos, P. S. (4).**—On striated muscle under electronic microscope, **Santos, P. de S. and others.**—*C. constrictor imperator*, From San Luis Potosi, Mexico, **Taylor, E. H. (2).**—*C. ? constrictor imperator*, From cave deposits in Yucatan, **Hatt, R. T. & Langebartel, D. A.**—*C. constrictor orophias*, St. Lucia (rare); Dominica (not uncommon), **Westermann, J. H.**

*Corallus annulatus*, 12 years, 4 months; *enhydis cooki*, 13 yrs. 8 mths. in captivity, **Perkins, C. B.**

*Enygrus asper schmidtii* Stull 1932, is a synonym of *Candoia aspera aspera*, **Forcart, L. (1).**

*Epiplatys anguifex*, Cuba, Isle of Pines, less common due to cane cultivation; *fordini fordini*, Hispaniola (very rare); *inornatus inornatus* Puerto Rico (rare); *striatus reliquies*, Sheep bay off Great Inagua, extirpated on Great Inagua, persists on islets; *s. strigilatus*, Andros, New Providence (Bahamas), less abundant; *subflavus*, Jamaica, represented in remote localities. **Wester-mann, J. H.**—*E. angulifer*, 14 years, 2 months; *cenchrina crassus*, 14 yrs. 6 mths.; *c. murus*, 27 yrs. 4 mths.; *striatus*, 16 yrs. in captivity. **Perkins, C. B.**—*E. cenchrina crassus*, On sub-microscopic scale structures as auxiliary character in systematics, comparative figs., **Hoge, A. B. & Santos, P. S.** (5).—*E. cenchrina maura*, Removal of abnormal eggs by surgery, **Kauffeld, C. F.** (3).—Photo., From Cemuri Chico, Macuto, Dist. Federal, Venezuela. **Roze, J. A.** (1).—*E. striatus*, On sex-dimorphism, fig., **Guibé, J.** (1).

*Eryx conicus*. Observations on the premaxillary dentition and the egg-tooth, Smith, M. A., Bellairs, A. d'A. & Miles, A. E. W.—*E. jaculus*. In Yugoslavia, Karaman, S.—*E. jaculus turcicus*, from Aegean islands. Ios, Poros, Keros, Sikinos, Wettstein, O. (3).

*Euxestis*. On maximum lengths and reported giants. Fitzsimons, V. (2).—*E. barbouri*, 13 yrs 11 months; *deschau-  
eassei*, 13 yrs. 10 mths.; *murina*, 28  
yrs.; in captivity. Perkins, C. B.—*E.  
murina*. On submicroscopic scale struc-  
ture as auxiliary character in syste-  
matics, comparative figs.. Hoge, A. R.  
& Santos, P. S. (5).—Observation on  
food capacity, photo.. Schweizer, H.—  
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tion and the egg-tooth. Smith, M. A.,  
Bellairs, A. d'A. & Miles, A. E. W.

*Liasis*. Notes on the following species:  
*L. albipennis* sp. nov. n. 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 91

*Lichanura rosafusca rosafusca* 12  
years in captivity. Perkins, C. B.

*Loxocemus bicolor*, 10 years in captivity, Perkins, C. B.

*P. 2.*—Observations on Indian specimen eating lungoor (Ape), Boswelli. K.—Ethnographic notes, Seram. From N. Africa. Clamens, G. 1.—*P. curtus curtus*, 17 years 5 months; *molurus molurus* 16 yrs. 7 mths., *m. molurus* 13 yrs.; *reticulatus* 20 yrs.; *sebae* 16 yrs. 1 mth. in captivity, Perkins, C. B.—*P. molurus*, On age records in captivity (23 years), Lepeur, F.—Malayan record deleted, Tweedie, M. W. F. (1).—*P. molurus, reticulatus*, Observations on the premaxillary dentition and the egg-tooth, figs., Smith, M. A., Bellairs, A. d'A. & Miles, A. E. W.—*P. regius*, From Port Harcourt area, Nigeria, Romer, J. D. (1).—Of Nigeria, photograph, Romer, J. D. (3).—*P. reticulatus*, from Sumba, Forcart, L. (2).—Analysis of fat, Gunstone, F. D. & Paton, R. P.—Skull figured, Vinson, J.—*P. reticulatus; curtus*, Notes on habits, sizes, in Malaya, Tweedie, M. W. F. (1).—*P. sebae*, from Nyasaland, Loveridge, A. (1).—Of W. African forests, specimen 930 cm. recorded, Rahm, U. (4).—Fig., from Katanga, Belgian Congo, Wiste, G. F. de.

*Tropidophis bucculentus*, Navassa  
probably extinct; *maculatus jamaicensis*  
Jamaica not uncommon but confined.  
Westermann, J. H.

*Ungaliophis continentalis* 17 years  
8 mths. in captivity, Perkins, C. B.

*Xenoboa cropanii*, gen. nov. & sp. nov., Type locality: Miracatu, State of Sao Paulo, Brasil: Mem. Inst. Butantan, 25. 1, 1953, p. 27. 4 pls. (1 col.), Hoge, A. R. (3).

Four species, including an arrangement, ngs., Harnack, M. von.—List of types in David's University Museum, London. A. E. 1.—Key to species of *Neurolepis*, Loveridge, A. 1.—Notes, *Neurolepis*, ngs., of *Macropus* sps., Tweedie, M. W. P. 1.—Material specimen with associated jaws in lower part of Texas Postcard, Harrington, J. W.

Guib. J. 1.

*Ablabophis* Boul., is a synonym of *Lycodonomorphus*, Loveridge, A. (1).—*A. whytei leleupi* fig. & col. pl., from Katanga, Belgian Congo, Witte, G. F. de.

*Acrochordus javanicus, granulatus*, Of Malaya, observations, Tweedie, M. W. F. (1).

*Adelphicos quadrivirgatus sargii*, From Finca La Arabia, San Marcos, Guatemala, Livezey, R. L. & Peckham, R. S.

*Ahaetulla*, key to Malayan species, notes, *ahaetulla*; *formosa*, photo.; *caudolineata*; *striata*, Tweedie, M. W. F. (1).—*A. picta*, On sex-dimorphism, Guibé, J. (1).

*Alsophis antillensis*, Extinct in St. Thomas, rare in Puerto Rico, abundant in Vieques and Virgin Ids.; *ater*, Jamaica (probably exterminated); *leucomelas antiquae*, Antigua (extinct); *l. leucomelas*, Guadeloupe, Marie Galante (extinct); *melanichnus*, Hispaniola, numbers reducing fast; *rufiventris*, Saba, St. Eustatius (extinct in St. Kitts-Nevis); *ruggersmaei*, St. Martin probably exterminated; St. Barthelemy, Anguilla; *santaecrucis*, St. Croix (extinct), *nudii utovanae*, Sheep Cay off Great Inagua; *dear Inagua* (exterminated), Westermann, J. H.

*Amblycephalus boulengeri*, From Meitan, Kweichow Prov., China, Wang, Y. M.

*Amblyodipsas katangensis katangensis* figs., from Katanga, Belgian Congo, Witte, G. F. de.

*Aparallactus lunulatus lunulatus*, from Mozambique; ? *capensis capensis*, from Nyasaland, note on variation and correct synonymising of *punctatolineatus*; *guentheri*, is revived from synonymy of *capensis*; distinguished by colour and size; *uluguruensis* Barb. & Lov., is an adult *guentheri*, Loveridge, A. (1).—*A. moeruensis*, fig.; *capensis punctatolineatus*, figs., from Katanga, Belgian Congo, Witte, G. F. de.

*Aporophis cyanopleurus*, Notes on type locality, Vanzolini, P. E. (6).

*Arizona elegans elegans*, Range extended to 2 miles east of Bremond, Robertson Cnty (140 miles east from Baylor Cnty., and 75 miles from Comal Cnty., approximately), Swanson, B.—*A. elegans blanchardi* × *elegans elegans*, notes on possible intergradation in Texas, Hunsaker, D. & Sellers, D.

*Aspidura brachyorrhus*, Of Ceylon, Taylor, E. H. (3).

*Atractus* sp., fig., From Perija, 2,400 m., Venezuela, Aleman, G. C.

*Atretium schistosum*, Malayan record deleted, Tweedie, M. W. F. (1).

*Bitia [Hipistes] hydroides*, Of Malaya, Tweedie, M. W. F. (1).

*Boaedon lineatus*, From Port Harcourt area, Nigeria, Romer, J. D. (1).—*B. lineatus lineatus*, from Nyasaland, Loveridge, A. (1).—From Nchalu, Shire R., Nyasaland, Loveridge, A. (4).—Figs., from Katanga, Belgian Congo, Witte, G. F. de.—*B. lineatus arabicus*, From Yemen, Schmidt, K. P. (5).—*B. virgatus*; *olivaceus*, Of W. African forests, Rahm, U. (4).

*Boiga*, key to Malayan species, notes, *dendrophila*, head fig.; *nigriceps*, photo.; *jaspidea*; *drapiezii*; *cynodon*; Tweedie, M. W. F. (1).—*B. blandingii*, Of W. African forests, Rahm, U. (4).—Fig., from Katanga, Belgian Congo, Witte, G. F. de.—*B. ceylonensis*; *trigonata*, Of Ceylon, Taylor, E. H. (3).—*B. dendrophila*, 11 years 9 mths. in captivity, Perkins, C. B.—*B. irregularis*, In Dutch New Guinea, Forcart, L. (1).—*B. pulverulenta*, From Port Harcourt area, Nigeria, Romer, J. D. (1).

*Bothrophthalmus lineatus lineatus*, fig., from Katanga, Belgian Congo, Witte, G. F. de.

*Calamaria*, key to Malayan species, notes, *vermiformis*, head fig.; *pavimentata*; *leucocephala*, head fig.; *albiventer*; *gimletti*, Tweedie, M. W. F. (1).—*C. sumatrana, javanica*, Malayan records deleted, Tweedie, M. W. F. (1).

*Calamelaps unicolor polylepis*, on geographic range; *u. warreni*, from Mozambique, Loveridge, A. (1).—*C. unicolor miolepis*, fig.; *rodhaini*, fig.; *ventrimaculatus katangensis*, fig.; from Katanga, Belgian Congo, Witte, G. F. de.—*C. ventrimaculatus katangensis*, In the Musée royal du Congo belge, Laurent, R. (2).

*Cantoria violacea*, Of Malaya, Tweedie, M. W. F. (1).

*Carphophis amoena amoena*, From Camp Pickett, Virginia, Hoffman, R. L.

*Cemophora coccinea*, In Florida, Goin, C. J. & O. B. (2).—From Florida; preserved specimen 32½ inches in length, note on ontogenetic pattern change; specimens collected along the Tamiami Trail; notes on predation of turtles eggs, Neill, W. T. (2).—*C. doliata doliata*, A locality record from Illinois, Wolf Lake Swamp, Union Cnty., Bennett, E.

*Cerastes*, should be applied to genus *Psammophylax* (*Trimerorhinus*), except that common association of *Cerastes* with some vipers makes change irrational, Loveridge, A. (1).—*C. tritaeniatus tritaeniatus* figs., from Katanga, Belgian Congo, Witte, G. F. de.

*Cerberus rynchops*, from Sumba, Forcart, L. (2).—Observations, Liong, A. L. G.—Head fig., of Malaya, Tweedie, M. W. F. (1).

*Chilorhinophis gerardi gerardi*; fig.; *g. tanganyikae*, from Katanga, Belgian Congo, Witte, G. F. de.

*Chionactis occipitalis occipitalis*, Notes on behaviour, Warren, J. W.—*C. occipitalis annulatus*, On hibernating site in desert in California, Shaw, C. E. (2).—*C. occipitalis talpina*, From S. Nevada, Banta, B. H.

*Chironius carinatus*, fig., From Perija, 1075–1130 m., Venezuela, Aleman, G. C.—On sex-dimorphism, Guibé, J. (1).

*Chrysopela*, key to Malayan species, notes, *paradisi*, photo.; fig. of colour pattern; *pelias*, *ornata*, fig. of colour pattern, Tweedie, M. W. F. (1).

*Coelopeltis monspessulana* (*Malpolon monspessulanus*), head fig., Of Yugoslavia, Radovanović, M. (1).

*Collorhabdium williamsoni*, Of Malaya, head fig., Tweedie, M. W. F. (1).

†*Coluber* (*Sensu lato*), From Pleistocene of Rancho La Brea, Los Angeles, California, Brattstrom, B. H. (1).

*Coluber aesculapii* (*Elaphe longissima*), head fig., of Yugoslavia, Radovanović, M. (1).

*Coluber caspius*, In Yugoslavia, Karaman, S.

*Coluber constrictor*, On tree climbing ability, Bcgert, C. M. (4).—Found along the Tamiami Trail, Florida, Neill, W. T. (2).—†*C. constrictor*, in Pleistocene of Florida, Brattstrom, B. H. (2).—*C. c.*

*constrictor*, in Louisiana, Anderson, P. K., Liner, E. A. & Etheridge, R. E.—Metabolism of embryo; respiratory exchange, nitrogen excretion, Clark, H. (1).—*C. c. anthicus*, new record for Orange Cnty., Texas; *c. flaviventris*, from Texas, new Cnty. records, Jefferson, Orange, Newton, Hardin, Guidry, E. V.—*C. c. flaviventris*, In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—*C. c. paludicola*, subsp. nov., From 3 miles W. of Kendall, Dade County, Florida, Copeia 1953, p. 44, Auffenberg, W. & Babbitt, L. H.—*C. c. priapus*, In Florida, Goin, C. J. & O. B. (2).

*Coluber elegantissimus*, From C. Sinai, Negumi, A.

*Coluber fasciolatus*, Photograph, observations on mimicry, Rajendran, M. V.

*Coluber flagellum testaceus*; Ecological association in mountain region of Trans. Pecos, Texas, Milstead, W. W. (2).

*Coluber gemonensis*; In Yugoslavia, Karaman, S.—From Crete, Dhia, Theodoros, Wettstein, O. (3).

*Coluber hippocrepis*, Ecological notes in Morocco, Atlas Mtns., Saint Girons, H. (2).

*Coluber jugularis jugularis*, In Cyprus, habitat notes; observations, Birkenmeier, E.—*Coluber*, On Aegean species; *jugularis caspius*, from Andros, Nikaria, Kythnos, Siphnos, Karpachos Ids., *j. jugularis*, from Rhodes Id., Wettstein, O. (3).—*C. j. caspius*, Of Czechoslovakia, Stepanek, O.

*Coluber lateralis*, Taken from dam area at San Joaquin, California, Cohen, N. W. & Wood, S. F.

*Coluber leopardinus* (*E. situla*) Head fig., of Yugoslavia, Radovanović, M. (1).

*Coluber longissima* (*Elaphe l. longissima* ?), On age records, (4, years), Lepeer, F.

*Coluber* (*Masticophis*) *mentovarius*, On Venezuelan subspecies, and ecology, Hellmich, W. (2).—On the subspecies as follows:—*m. mentovarius*, range, Mexico (San Luis Potosi) south to Guatemala, El Salvador, Honduras, Nicaragua, and probably Costa Rica; *m. suborbitalis*, range, dryer parts of N. Venezuela from Margarita Id. to the



Maracaibo basin, reaching south to Orinoco; *m. centralis*, subsp. nov., type locality, Maicao, Guajira, Colombia, *Herpetologica*, San Diego, 9, 1953, p. 117, Roze, J. A. (2).

*Coluber najadum*, In Yugoslavia, Karaman, S.—*C. najadum najadum*?, From Rhodos Id., *n. najadum*, From Kea Id., Wettstein, O. (3).

*Coluber ravergieri ravergieri*, In Turkey, Mertens, R. (7).—*C. ravergieri nummifer*, From Rhodos Id., Wettstein, O. (3).

*Coluber rhodorhachis rhodorachis*, From Yemen; scale counts ventrals 221; 226; caudals 137, 133, dorsals 19–19–13; 19; 19, 11, Schmidt, K. P. (5).

*Coluber simus* Linn. Observations on the identity; application to confirm use of name as *Heterodon simus* restricted to Coastal Plain of S.E. N. America and *platyrhinos* Lat. 1801, as *H. platyrhinos* for Common Hog-nosed snake, Edgren, R. A. (1).

*Coluber taeniatus ornatus*, Ecological association in mountain region of Trans-Pecos, Texas, Milstead, W. W.

*Coluber viridiflavus viridiflavus*, Geographic range in Piedmont, N. Italy, Tortonese, E.

*Coniophanes fissidens punctigularis*, From Finca La Arabia, San Marcos, Guatemala, Livezey, R. L. & Peckham, R. S.—*C. imperialis imperialis*; *fissidens proterops*, from San Luis Potosi, Mexico, Taylor, E. H. (2).

*Conopsis vittatus vittatus, biserialis*? From Morelos State, Mexico, Davis, W. B. & Smith, H. M. (5).

*Coronella austriaca*, in Gothland, Sweden, Andén, C.—In captivity, Blom, J.—Some records in Dorset, Dalton, R. F.—In Yugoslavia, Karaman, S.—On age records in captivity (3 years), Lepeer, F.—In British Isles; history, habits, photo., Leutscher, A. (2).—Geographic range in Aargau Canton, Switzerland, Mittelholzer, A.—Of Yugoslavia, head fig., Radovanović, M. (1).—Food of young, Reijst, A. T. (1).—From Peloponnes, Wettstein, O. (3).—*C. a. austriaca*, Of Neuchatel, Switzerland, Aellen, V.—Geographic range in Neuchatel Canton, Switzerland, Aellen, V. & Perret, J.-L.—In S. Eifel, N.W. Germany, Molle, F. (2).—Of Czecho-

slovakia, Stepanek, O.—Notes, photographs, S. N. G.—*C. austriaca fitzingeri*, in Biella area, Monte Rosa, Italy, Capra, F.—Geographic range in Piedmont, N. Italy, Tortonese, E.

*Coronella girondica*, Geographic range in Piedmont, N. Italy, Tortonese, E.—On latent periods in Morocco, Saint-Girons, H. (4).—*C. girondica girondica*, Effects of water and temperature in the Atlas Mtns., Morocco, Girons, H. St. (1).—Ecological notes in Morocco, Atlas Mtns., Saint Girons, H. (2).

*Crotaphopeltis duchesnii duchesnii*, From Port Harcourt area, Nigeria, Romer, J. D. (1).—*C. hotamboeia*, From Ijara, N. Kenya, Percy, Lord, R. C., H. E. & Ridley, M. W.—*C. hotamboeia hotamboeia*; *h. tornieri*, from Nyasaland, Loveridge, A. (1).—*C. hotamboeia hotamboeia*, From S. of Fort Johnston, Nyasaland, Loveridge, A. (4).—Fig., from Katanga, Belgian Congo, Witte, G. F. de.

*Dendrelaphis pictus inornatus*, from Sumba, Forcart, L. (2).—*D. punctulatus lineolatus, calligaster calligaster*, In Dutch New Guinea, Forcart, L. (1).

*Dendrophidion dendrophis*, From Perija, Venezuela, Aleman, G. C.

*Diadophis punctatus punctatus*, First records from Aiken and Barnwell Counties, (S. Carolina), Hoy, W. E. and others.—On 'tail curling,' apparently only by red subcaudal surface specimens and not orange coloured ones in Georgia and Florida, Neill, W. T. (2).—*D. punctatus arnyi*, In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—*D. punctatus edwardsii*, From Camp Pickett, Virginia, Hoffman, R. L.—*D. punctatus stictogenys*, in Louisiana, Anderson, P. K., Liner, E. P. & Etheridge, R. E.—From Texas, new county record, Jefferson, Guidry, E. V.—*D. regalis regalis*, From Huachuca area, Arizona, Woodin, W. H.

*Dinodon semicarinatum*, Observations and experiments on feeding behaviour; feeds on *Trimeresurus flavoviridis*, figs., Takara, T.

*Dipsadoboa unicolor* figs.; *duchesnii* fig., from Katanga, Belgian Congo, Witte, G. F. de.



*Elaphe longissima longissima*, In Yugoslavia, Karaman, S.—Of Czechoslovakia, Stepanek, O.—Geographic range in Piedmont, N. Italy, Tortonese, E.—*E. longissima reckingeri*, From Amorgos Id., Aegean, Wettstein, O. (3).

*Elaphe moellendorffi*, Description of coloration of two live females, Romer, J. D. (2).

†*Elaphe obsoleta*; In Pleistocene of Florida, Brattstrom, B. H. (2).—*E. obsoleta obsoleta*, From Camp Pickett, Virginia, Hoffman, R. L.—Removal of abnormal eggs by surgery, Kauffeld, C. F. (3).—Food habits in captivity, Watson, D. M. (2).—Note on food and some measurements on internal anatomy, Williams, F. B.—*E. o. obsoleta*, 15 yrs. 6 mths.; *o. quadrivittata*, 15 yrs. 7 mths.; *o. spiloides*, 11 yrs. 5 mths., in captivity, Perkins, C. B.—*E. obsoleta confinis*, From Texas, new county records, Orange, Newton; notes on food, Guidry, E. V.—Common in Lake Texoma area, Texas Oklahoma, Bonn, E. W. & McCarley, W. H.—*E. obsoleta lindheimeri*, On regurgitation of artificial eggs, Gans, C.—Case history of specimen with an irregergitable artificial egg, Smith, H. M.—*E. obsoleta quadrivittata*, In Florida, Goin, C. J. & O. B. (2).—*E. obsoleta rosalleni*, Found along the Tamiami Trail, Florida, Neill, W. T. (2).

*Elaphe oxycephala*, Photo, from Malaya, Tweedie, M. W. F. (1).

*Elaphe mandarinus*, From Kweichow Prov., China, Wang, Y. M.

*Elaphe porphyracea*, Head fig., from Malaya, Tweedie, M. W. F. (1).

*Elaphe prasina*, Head fig., from Malaya, Tweedie, M. W. F. (1).

*Elaphe quatuorlineata*, Observations on the pre-maxillary dentition and the egg-tooth, Smith, M. A., Bellairs, A. d'A. & Miles, A. E. W.—Embryological series available, Hubrecht Laboratory.—*E. quatuorlineata*, In Yugoslavia, Karaman, S.—*E. q. quatuorlineata*, From Kea Id.; *q. praematura*, from Insel Ios; *q. sauromates*, from Kreta, Kythira, Kythnos, Skyros Ids., Aegean, Wettstein, O. (3).

*Elaphe radiata*, Head fig., from Malaya, Tweedie, M. W. F. (1).

*Elaphe reckingeri* Werner, Is a subspecies of *E. longissima*, Wettstein, O. (1).

*Elaphe situla*, From Yugoslavia, Karaman, S.—From Kreta, Kythria, Kythnos, Skyros Ids., Aegean, Wettstein, O. (3).

*Elaphe subradiata*, from Sumba, Forcart, L. (2).

*Elaphe taeniura*, Head fig., from Malaya, Tweedie, M. W. F. (1).—*E. taeniurus*, From Kweichow Prov., China, Wang, Y. M.

*Elaphe ? triaspis*, From cave deposits in Yucatan, Hatt, R. T. & Langebartel, D. A.—*E. triaspis triaspis*, From Quintana Roo, Estados Unidos, Mexico; first record from this territory, Peters, J. A.—*E. triaspis intermedia*; From San Luis Potosi, Mexico, Taylor, E. H. (2).

*Enhydria*, key to Malayan species, notes, *enhydria*; *plumbea*, head fig., *punctata*; *bocourti*; *pahangensis*; *indica*; Tweedie, M. W. F. (1).—*E. dussumieri*, On viviparity, figs., Parameswaran, K. N.

*Erythrolamprus mimus micrurus*, fig., From Perija, 1,075–1,130 m., Venezuela, Aleman, G. C.

*Eurypholis major*, From Kweichow Prov., China; feeds on earthworms, Wang, Y. M.

*Farancia abacura*, On specimens inhabiting brackish or salt water, note on food, Neill, W. T. (2).—*F. abacura abacura*, Found along the Tamiami Trail, Florida, Neill, W. T. (2).—*F. abacura reinwardti*, From Texas, new county records, Jefferson, Orange, Newton; notes on food, Guidry, E. V.—†*F. melanoleuca*, In Pleistocene of Florida, Brattstrom, B. H. (2).

*Ficimia publia publia*, First record from Quintana Roo, Estados Unidos, Mexico, Peters, J. A.—*F. streckeri*, From San Luis Potosi, Mexico, Taylor, E. H. (2).

*Fordonia leucobalia*, Of Malaya, Tweedie, M. W. F. (1).

*Gastropyxis smaragdina*, Of W. African forests, Rahm, U. (4).—From Port Harcourt area, Nigeria, Romer, J. D. (1).

*Geodipsas depressiceps*, fig., from Katanga, Belgian Congo, Witte, G. F. da.

*Geophis multitorques*, From San Luis Potosí, Mexico, Taylor, E. H. (2).—*G. nasalis*, From Finca La Arabia, San Marcos, Guatemala, Livezey, R. L. & Peckham, R. S.

*Gerardia prevostiana*, Of Malaya, Tweedie, M. W. F. (1).

*Glypholycus bicolor*, fig., from Katanga, Belgian Congo, Witte, G. F. de.—*G. whytii* Boul., is now *Lycodonomorphus rufulus whytii* (Boul.), Loveridge, A. (1).

*Gonyophis margaritatus*, On Malayan specimen, Tweedie, M. W. F. (1).

*Grayia smythii*, fig.; *ornata*, fig.; *tholloni*, fig.; *caesar*, fig., from Katanga, Belgian Congo, Witte, G. F. de.

*Gyalopion canum*, From Huachuca area, Arizona, Woodin, W. H.

*Halden striatula*, in Louisiana, Anderson, P. K., Liner, E. A. & Etheridge, R. E.—From Texas, new county records, Newton, Hardin; notes on food, Guidry, E. V.—In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.

*Haplocercus ceylonensis*, Of Ceylon, Taylor, E. H. (3).

*Haplopetura boa*, Of Malay, Tweedie, M. W. F. (1).

*Hapsidophrys lineatus*, fig., from Katanga, Belgian Congo, Witte, G. F. de.

*Helicops baliogaster* Cope, Notes on type locality, Vanzolini, P. E. (6).—*H. bangweolicus* Mertens is a synonym of *Limnophis bicolor* Gunth., Witte, G. F. de.—*H. schistosus*, 12 years 3 months in captivity, Perkins, C. B.

*Helophis schoutedeni*, In the Musée royal du Congo belge, Laurent, R. (2).

*Hemirhagerrhis nototaenia nototaenia*, from Nyasaland, Loveridge, A. (1).—Figs., from Katanga, Belgian Congo, Witte, G. F. de.

*Heterodon nasicus nasicus*, Record from Alberta, Canada, and notes on eggs, Moore, J. E.—*H. nasicus kernerlyi*, From Huachuca area, Arizona, Woodin, W. H.—*H. platyrhinos*, in Louisiana, Anderson, P. K., Liner, E. A. & Etheridge, R. E.—Copulatory adjustment and its evolutionary implications; description of dissection of pair in coitus, Edgren, R. A. (2).—On chromosomes, Edgren, R. A. (3).—From Texas, new county records, Jefferson, Newton;

notes on habits, Guidry, E. V.—Fig., in Illinois, Smith, P. W.—*H. p. platyrhinos*, In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—From Camp Pickett, Virginia, Hoffman, R. L.—†*H. plionasicus*, sp. nov. (p. 328) skull bones from Pliocene of Kansas, descr. and figd., J. Paleont. 27, 3, 1953, Peters, J. A. (1).—*H. simus*, see under *Coluber simus*, for use of name, Edgren, R. A. (1).—*H. simus*, In Florida, Goin, C. J. & O. B. (2).—On an unusual mating, a female with two males; specimens preserved in copula, Neill, W. T. (2).—*H. simus*, ♀ × *p. platyrhinos* ♂, on copulation in captivity, fig., Neill, W. T. (2).

*Homalopsis buccata*, Observations on the pre-maxillary dentition and the egg-tooth, Smith, M. A., Bellairs, A. d'A. & Miles, A. E. W.—Head fig., Of Malaya, Tweedie, M. W. F. (1).

*Hypotlophiss wilsoni katangae*, figs., from Katanga, Belgian Congo, Witte, G. F. de.

*Hypsiglena ochrorhyncha*, Observation on toxic nature of the saliva, Goodman, J. D.—Range extended 85 miles west to nr. Maupin, Wasco Co., Oregon, Storm, R. M.—*H. o. ochrorhyncha*, Ecological association in mountain area of Trans-Pecos, Texas, Milstead, W. W. (2).—*H. torquata ochrorhyncha*, From Huachuca area, Arizona, Woodin, W. H.

*Imantodes cenchoa*, fig., From Perija, 300 m., Venezuela, Aleman, G. C.—*I. cenchoa leucomelas*; *splendidus splendidus* (first records); *tenuissimus*, from Quintana Roo, Estados Unidos, Mexico, Peters, J. A.

†*Lampropeltis doliata*, *L. getulus* in Pleistocene of Florida, Brattstrom, B. H. (2).—†*L. getulus*, Pleistocene, McKittick Asphalt, California, Brattstrom, B. H. (1).—*L. doliata amaura*, 16 years 7 months; *d. annulata*, 12 yrs. 5 mths.; *getulus brooksi* 10 yrs.; *g. californiae* 14 yrs. 10 mths.; *zonata maculicincta*, 13 yrs. 4 mths., in captivity, Perkins, C. B.—*L. doliata blanchardi*, First record from Quintana Roo, Estados Unidos, Mexico, Peters, J. A.—*Lampropeltis*, From Texas, habit notes and new cnty, records for these species; *c. calligaster*, Orange; *getulus holbrookii*, Orange, Newton; *triangulum amaura*, Newton, Guidry, E. V.—*L. calligaster calligaster*;



*getulus holbrookii*, In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—*L. getulus*, Effect of venom of other snakes, Mertens, R. (6).—*L. getulus getulus*, From Camp Pickett, Virginia, Hoffman, R. L.—First record from Aiken Cnty. (S. Carolina), Hoy, W. E. and others.—†*L. getulus californiae*, From Pleistocene of Rancho La Brea, Los Angeles, California, Brattstrom, B. H. (1).—*L. getulus splendida*; *pyromelana*, From Huachuca area, Arizona, Woodin, W. H.—*L. micropholis*, fig., From Perija, 1,500 m., Venezuela, Aleman, G. C.—*L. pyromelana*, Study of taxonomy and phylogeny, key to subspecies; *L. p. knoblochi*, from Mexico; *p. pyromelana*, range C. high plateaus of Arizona east of Kingman, S. of Grand Canyon and the Painted desert, N. of Tuscon, and into S.W. New Mexico and N. Chihuahua; *L. p. woodini*, subsp. nov., Type locality: Carr Canyon, Huachuca Mts., Cochise Cnty., Arizona (p. 54); *L. p. infralabialis*, subsp. nov., Type from Beaver Cnty., Utah, (p. 56, fig. of pattern); Gr. Basin Nat. 13, 1-2, 1953, Tanner, W. W. (1).—*L. triangulum arcifera*, From Morelos State, Mexico, Davis, W. B. & Smith, H. M. (5).—*L. triangulum polyzona*, From San Luis Potosi, Mexico, Taylor, E. H. (2).—*L. triangulum syspila*, Fig., in Illinois, Smith, P. W.—*L. triangulum* × *gentilis* plate, from Hebbbronville, Jim Hogg Co., Texas, Axtell, R. W. & Wasserman, A. O.

*Langaha intermedia*, On sex-dimorphism, rostral processes figd., Guibé, J. (1).

*Leptodeira annulata annulata*, From Comuri Chico, Macuto, Dist. Federal, Venezuela, Roze, J. A. (1).—*L. annulata polysticta*, From Finca La Arabia, San Marcos, Guatemala, Livezey, R. L. & Peckham, R. S.—*L. a. polysticta*; *yucatanensis yucatanensis*, From Quintana Roo, Estados Unidos, Mexico, Peters, J. A.—*L. a. septentrionalis*; *a. taylora*; *maculata*, From San Luis Potosi, Mexico, Taylor, E. H. (2).—*L. splendida*, From Morelos State, Mexico, Davis, W. B. & Smith, H. M. (5).

*Leptognathus garmani*, Note on type locality, Vanzolini, P. E. (6).

*Limnophis bicolor*, fig., from Katanga, Belgian Congo, Witte, G. F. de.

*Liodytes alleni*, Notes on brood records, Neill, W. T. (2).

*Liopeltis*, key to Malayan species, notes, *baliodeirus*; *tricolor*, head fig.; *longicauda*, Tweedie, M. W. F. (1).

*Liophis miliaris semiaureus* (*Ophiomorphus fuscus* Cope), Note on type locality, Vanzolini, P. E. (6).

*Lycodon*, key to Malayan species, notes, *aulicus*, photo., head fig.; *subcinctus*, photo., head fig.; *butleri*, head fig.; *effraenis*, head figs., *laoensis*, Tweedie, M. W. F. (1).—*L. aulicus*, *subcinctus*, from Sumba Id., Forcart, L. (2).—*L. aulicus*, var., Of Ceylon, Taylor, E. H. (3).

*Lycodonomorphus*, note on genus; *Neusterophis* Gthr. and *Abalaphis* Boul. are referred to the synonymy; *L. rufulus mlanjensis*, subsp. nov. (p. 253), Type from Ruu R., Mlanje Mt., Nyasaland, paratypes from Nswadzi R., Cholo Mt. and Zomba, Nyasaland,—*rufulus whytii*, note on locality.—Bull. Mus. comp. Zool. Harv. 110, 1953, Loveridge, A. (1).

*Lycophidion capense capense*, from Nyasaland, Loveridge, A. (1).—*L. c. capense*, fig.; *ornatum*, fig., from Katanga, Belgian Congo, Witte, G. F. de.

*Lygophis lineatus*, From Perija, Venezuela, Aleman, G. C.

*Macrocalamus lateralis*, head fig., Tweedie, M. W. F. (1).

*Macropisthodon*, key to Malayan species, notes; *rhodomelas*; *flaviceps*, Tweedie, M. W. F. (1).

*Madagascarophis colubrinus*, Effect of bite of *Psammophis*, Mertens, R. (6).

*Malpolon monspessulanus*, On latent periods in Morocco, Saint-Girons, H. (4).—On Aegean specimens, Wettstein, O. (3).—*M. m. monspessulana*, In Cyprus, Birkenmeier, E.—Effect of bite on other snakes, Mertens, R. (6).—Effects of water and temperature in the Atlas Mtns., Morocco, Saint Girons, H. (1).—Ecological notes in Morocco, Atlas Mtns., Saint Girons, H. (2).—*M. monspessulanus insignitus*, In Yugoslavia, Karaman, S.

*Masticophis bilineatus bilineatus*; *flagellum piceus*, From Huachuca area, Arizona, Woodin, W. H.—*M. flagellum flagellum*, In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—From Texas, new county

records, Jefferson, Orange, Newton, **Guidry, E. V.**—*M. flagellum piceus*, On status; *f. testaceus*, synonymy and discussion, restricted to form which occurs in the Arkansas River drainage of Colorado; *f. flagellum* to be resurrected for brown race occurring in N.E. Colorado, S.E. Nebraska, Kansas, Oklahoma, W. Texas, New Mexico and some Mexico, **Maslin, T. P.**—*M. flagellum piceus* (black) 11 years 2 mths., (red) 12 yrs. 2 mths., *f. testaceus*, 13 yrs. 5 mths., in captivity, **Perkins, C. B.**—*M. f. ruddocki*, subsp. nov., type locality:  $\frac{1}{2}$  mile S. of ridge at Wheeler Ridge and  $1\frac{1}{2}$  miles west of U.S. Highway 99, Kern Cnty., California; range, San Joaquin Valley (including the Sacramento valley) of California and side valleys of the San Joaquin Valley extending into the coast ranges to the west, *Herpetologica*, San Diego, 9, 1953 p. 177, **Brattstrom, B. H. & Warren, J. W.**—*M. f. striolatus* (*M. f. lineatus*), From Morelos State, Mexico, **Davis, W. B. & Smith, H. M.** (5).—*M. f. testaceus*; *taeniatus ruthveni*, From San Luis Potosi, Mexico, **Taylor, E. H.** (2).—*M. ? mentovarius mentovarius*, From cave deposits in Yucatan, **Hatt, R. J. & Langebartel, D. A.**—*M. taeniatus taeniatus*, From S. Nevada, **Banta, B. H.**

*Mehelya capensis capensis*; *nyassae*, from Nyasaland, **Loveridge, A.** (1).—*M. c. capensis*, From Shire R., S. of Fort Johnston, Nyasaland, **Loveridge, A.** (4).—*M. c. savogniani*, fig.; *poensis* fig.; *nyassae*, fig., from Katanga, Belgian Congo, **Witte, G. F. de.**—*M. crossi*; *guirali*; *poensis*, From Port Harcourt area, Nigeria, **Romer, J. D.** (1).

*Meizodon semiornata*, note on Nyasaland record, **Loveridge, A.** (1).

*Micrelaps mulleri*, From Syria, second record, **Battersby, J. C.**

*Miodon christyi*, fig., from Katanga, Belgian Congo, **Witte, G. F. de.**—*M. gabonensis schmidtii*, In the Musée royal du Congo belge, **Laurent, R.** (2).

*Myron richardsonii*, On Queensland Museum records and notes on the type of synonym *Neospades kentii* De Vis, **Mack, G. & Gunn, S. B.**

*Natriciteres*, gen. nov. (p. 249), to include the following species or subspecies of *Natrix*/*Neusterophis*: *olivacea*,

*olivacea*,—Anglo-Egyptian Sudan to S. Somalia, to S. Rhodesia, N.E. to Angola and Belg. Congo to the Gold Coast; *o. uluguruensis*,—E. Africa from Tanganyika T. south through Mozambique, Nyasaland, N. Rhodesia to S. Rhodesia and W. Angola; *o. pembana*,—Pemba Id.; *variegata*,—French Cameroon W. to French Guinea; *fuliginoides*,—Belgian Congo N.W. to French Guinea, *Bull. Mus. comp. Zool. Harv.* 110, 1953, **Loveridge, A.** (1).—*N. olivacea uluguruensis*, From Tengadzi R., Shire Valley, Nyasaland, **Loveridge, A.** (4).

*Natrix*. Key to Malayan species, notes, ranges, figs. of some heads and ventral patterns, **Tweedie, M. W. F.** (1).—†*Natrix* sp., In Pleistocene of Florida, **Brattstrom, B. H.** (2).

*Natrix baileyi*, Referred to new genus *Thermophis*, genotype, *N. baileyi*, re-described, head and hemipenis figured, **Malnate, E. V.**

*Natrix chrysarcha*, Notes on behaviour in vivarium with *N. vittata*, **Reyst, A. T.** (4).—Fig., ventral pattern, of Malaya, **Tweedie, M. W. F.** (1).

*Natrix conspicillata*, Of Malaya, fig. of head, **Tweedie, M. W. F.** (1).

*Natrix cyclopion cyclopion*, From Texas, new county records, Orange, Newton, Hardin, food habits, **Guidry, E. V.**—Habitat in New Orleans, **Kreffit, G.**—*N. cyclopion floridana*, Found along the Tamiami Trail, Florida, **Neill, W. T.** (2).—On geographic records from S. Carolina and Georgia, **Neill, W. T. & Rose, F. L.**

*Natrix erythrogaster bogerti*, subsp. nov. (p. 1), type locality Rio Nazas, near La Goma, 15 miles S.W. of Lerdo, Durango, Mexico; *Nat. Hist. Misc. No.* 126, 1953, **Conant, R.** (2).—*N. e. flavigaster*, From Texas, new county records, Jefferson, Newton, **Guidry, E. V.**—*N. e. transversa*. Common in Lake Texoma area, Texas/Oklahoma, **Bonn, E. W. & McCarley, W. H.**

*Natrix fuliginoides*, now referred to new genus *Natriciteres*, **Loveridge, A.** (1).

*Natrix grahami*, From Texas, new county records, Jefferson, Orange, **Guidry, E. V.**

*Natrix inas*, Of Malaya, fig. of ventral pattern, **Tweedie, M. W. F.** (1).

*Natrix maculata*, Of Malaya, figs. of ventrals and head, Tweedie, M. W. F. (1).

*Natrix mairii multiscutellata*, In Dutch New Guinea, Forcart, L. (1).

*Natrix maura*, Specimen captured in Joyden's Wood, near N. Cray, Kent, Edwards, D. M.—*N. maura* (*N. viperinus* Lat. 1802), Effects of water and temperature in the Atlas Mtns., Morocco, Saint Girons, H. (1).—*N. maura*, Ecological notes in Morocco, Atlas Mtns., Saint Girons, H. (2).—Geographic range in Piedmont, N. Italy, Tortonese, E.

[*Natrix natrix*], On physiology, Anthes, P.—Egg laying in captivity, Schnell, F.

*Natrix natrix*, Frog eaten and regurgitated alive after 1½ hours, Avery, R.—On the development of diencephalic nuclei and mesencephalic relations, figs., Bergquist, H.—Physiology of the nervous system, Buddenbrock, W. v.—In Biella area, Monte Rosa, Italy, Capra, F.—On mechanics of movement, Gray, J.—Embryological series available, Hubrecht Laboratory.—In Yugoslavia, Karaman, S.—On age records in captivity (9 years), Lepeer, F.—In British Isles, habits, photo., Leutscher, A. (2).—Geographic range in Aargau Canton, Switzerland, Mittelholzer, A.—Of Yugoslavia, head fig., Radovanović, M. (1).—Observations on the premaxillary dentition and the egg-tooth, figs., Smith, M. A., Bellairs, A. d'A. & Miles, A. E. W.—Investigations into neuro-secretions, Stutinsky, F.—On embryonic cells, figs., Trost, E. (1).—In Finland, Vainio, I. (1).—*N. natrix natrix*, Of Czechoslovakia, Stepanek, O.—*N. natrix helvetica*, Of Neuchatel, Switzerland, Aellen, V.—Geographical range in Neuchatel Canton, Switzerland, Aellen, V. & Perret, J.-L.—On the pancreatic islet tissue, figs., Barrington, E. J. W.—Records in Dorweston area, Dorset, Dalton, R. F.—On sight report from Holt District, Norfolk, [Holmes], R. M.—Geographic range in Piedmont, N. Italy, Tortonese, E.—*N. natrix persa*, On Aegean specimens, from Mytilene, Chios Ids., Wettstein, O. (3).

*Natrix novae-guinaeae*. In Dutch New Guinea, Forcart, L. (1).

[*Natrix*] *Tropidonotus olivaceus* Boul. (part); *N. o. uluguruensis* Loveridge;

*o. pembana*; now referred to new genus *Natriciteres*, Loveridge, A. (1).

*Natrix petersi*, Of Malaya, fig. of head, Tweedie, M. W. F. (1).

*Natrix picturata*, In Dutch New Guinea, Forcart, L. (1).

*Natrix piscator*, Of Malaya, figs. of head and ventral pattern, Tweedie, M. W. F. (1).

*Natrix platyceps*, From Nepal, Smith, M. A. & Battersby, J. G.

*Natrix rhombifera rhombifera*, From Texas, new county records, Newton, food habits, Guidry, E. V.—*N. rhombifera blanchardi*, The following paratypes are referred to *N. r. werleri*, from La Antigua (CNHM 2039); Tlacotalpan (USNM 46533), Conant, R. (2).—*N. rhombifera werleri*, subsp. nov. (p. 4), type locality:—Alvarado-San Andres Tuxtla road, app. 18 miles S.E. of Alvarado, Veracruz, Mexico; paratypes from localities in Tabasco and Veracruz: Nat. Hist. Misc. No. 126, 1953, Conant, R. (2).

*Natrix rigida*, in Louisiana, Anderson, P. K., Liner, E. A. & Etheridge, R. E.—From Texas, new county records, Newton Orange, not found in Hardin Cnty., Guidry, E. V.

*Natrix sanguinea*, Of Malaya, fig. of ventral pattern, Tweedie, M. W. F. (1).

*Natrix sarawakensis*, Of Malaya, fig. of ventral pattern, Tweedie, M. W. F. (1).

*Natrix sipedon*, Comparative embryology, Nelsen, O. E.—Observations on the premaxillary dentition and the egg-tooth, Smith, M. A., Bellairs, A. d'A. & Miles, A. E. W.—Fig., in Illinois, Smith, P. W.—*N. sipedon sipedon*, On lipid distribution in corpora lutea of pregnancy, Bragdon, D. E. (1).—Surgical anatomy, the location of the visceral endocrine organs with reference to ventral scutellation, figs., Bragdon, D. E. (2).—Histochemical study of the lipids of the corpus luteum of pregnancy, Bragdon, D. E. (3).—On hibernation sites, associates, depth variation in Michigan, Carpenter, C. C. (3).—*N. sipedon confuens*, In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—*N. s. confuens* × *fasciata*, From Texas, new county records, Jefferson, Orange, Newton,

food notes; *s. clarki*, Guidry, E. V.—*N. s. fasciata*, First records from Aiken and Barnwell Counties (S. Carolina), Hoy, W. E. and others.—*N. s. pictiventris*, In Florida, Goin, C. J. & O. B. (2).—Found along the Tamiami Trail, Florida, Neill, W. T. (2).—*N. s. pleuralis*, in Louisiana, Anderson, P. K., Liner, E. A. & Etheridge, R. E.

*Natrix stolata*, Malayan record deleted, Tweedie, M. W. F. (1).—*N. stolata stolata*, Of Ceylon, Taylor, E. H. (3).

*Natrix subminiata*, Of Malaya, fig. of head, Tweedie, M. W. F. (1).

*Natrix taxispilata*, First record from Barnwell Cnty. (S. Carolina), Hoy, W. E. and others.—On specimens inhabiting salt water or marshes, Neill, W. T. (2).—*N. t. rhombifera*, Common in Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.

*Natrix tessellatus*[a], In Yugoslavia, Karaman, S.—On age records in captivity (11 years), Lepeer, F.—In Germany, Mertens, R. (8).—Of Yugoslavia, head fig., Radovanovic, M. (1).—Of Czechoslovakia, Stepanek, O.—Geographic range in Piedmont, N. Italy, Tortonese, E.—From Kreta, Wettstein, O. (3).

*Natrix tigrina*, Action of nuchal gland secretion on rabbit blood-pressure, Kitazume, Y.—Action of nuchal gland secretions on mice, Nakai, T.—*N. tigrina lateralis*, From Korea, Tanner, V. M. (2).—From Kweichow Prov., China, Wang, Y. M.

*Natrix trianguligera*, Of Malaya, fig. of ventrals, Tweedie, M. W. F. (1).

*Natrix valida isabelleae*, subsp. nov. (p. 7), type locality:—Pie de la Cuesta, Laguna Coyuca, Guerrero, Mexico; paratypes from localities in Colima; Guerrero, Michoacan, Nat. Hist. Misc. No. 126, 1953, Conant, R. (2).

*Natrix variegata*, now referred to new genus, *Natriciteres*, Loveridge, A. (1).

*Natrix viperinus*, On age records in captivity (8 years), Lepeer, F.

*Natrix vittata*, Notes on behaviour in vivarium with *N. chrysarcha*, Reyst, A. T. (4).

*Neusterophis* Gthr. is a synonym of *Lycodonomorphus*; following species are referred to new genus *Natriciteres*; *olivacea*; *variegata*; *fuliginoides*, Loveridge, A. (1).—*N. fuliginoides* fig.; *olivaceus olivaceus*, fig., from Katanga, Belgian Congo, Witte, G. F. de.

*Ninia atrata*, From Comuri Chico, Macuto, Dist. Federal, Venezuela, Roze, J. A. (1).—*N. diademata diademata*, From Finca La Arabia, San Marcos, Guatemala, Livezey, R. L. & Peckham, R. S.—*N. sebae morleyi*, From Quintana Roo, Estados Unidos, Mexico, Peters, J. A.

*Oligodon*, key to Malayan species, notes, *octolineatus*, photo., head fig.; *purpurascens*, head fig.; *signata*, head fig., Tweedie, M. W. F. (1).—*O. annamensis*, sp. nov., from Blao, Haut, Annam, French Indo-China; J. Wash. Acad. Sci. 43 12 1953; p. 423 fig., Leviton, A. E. (2).—*O. cruentatus*, Malayan record deleted, Tweedie, M. W. F. (1).—*O. erythrogaster*, From Nepal, Smith, M. A. & Battersby, J. C.—*O. sublineatus*, Of Ceylon, Taylor, E. H. (3).

*Opheodrys aestivus*, In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—In Florida, Goin, C. J. & O. B. (2).—From Texas, new county records, Jefferson, Newton, food habits, Guidry, E. V.—From Camp Pickett, Virginia, Hoffman, R. L.—? *O. mayae*, From cave deposits in Yucatan, Hatt, R. T. & Langebartel, D. A.—*O. vernalis*, Another record in Texas, 8 mls. S. of Sealy, Davis, W. B. (4).—*O. v. vernalis*, On hibernation sites, associates, depth variation in Michigan, Carpenter, C. C. (3).

*Opheomorphus* [Rhadinaea] *fuscus* Cope, Note on type locality, Vanzolini, P. E. (6).

*Opisthotropis* (not *Opithotropis* as printed) *lateralis*, a new record for Kweichow Prov., China, Wang, Y. M.

*Oxybelis aeneus*, From Perija, 1,000–1,130 m., Venezuela, Aleman, G. C.—*O. aeneus aeneus*, From Comuri Chico, Macuto, Dist. Federal, Venezuela, Roze, J. A. (1).—*O. aeneus auratus*, From Morelos State, Mexico, Davis, W. B. & Smith, H. M. (5).

*Oxyrhopus venezuelanus*, From Comuri Chico, Macuto, Dist. Federal, Venezuela, Roze, J. A. (1).



*Pareas*, key to Malayan species, notes, *vertebralis*, head fig.; *laevis*; *carinatus*; *malaccanus*; *margaritophorus*, Tweedie, M. W. F. (1).

*Phalotris melanopleurus* Cope, [*Elapomorphus lemniscatus*], Notes on type locality, Vanzolini, P. E. (6).

*Philothamnus hoplogaster*, From Shire Valley, Nyasaland (scales 13-15 rows), Loveridge, A. (4).—*P. hoplogaster*; *irregularis irregularis*, from Nyasaland; *semivariegatus semivariegatus*, from Nyasaland and Mozambique, habit notes, etc., Loveridge, A. (1).—*P. hoplogaster*, fig.; *heterolepidotus*, fig.; *irregularis irregularis*, figs.; *heterodermus carinatus*, fig.; *h. ruandae*; *semivariegatus semivariegatus*, fig.; *s. dorsalis*, fig., from Katanga, Belgian Congo, Witte, G. F. de.

*Phyllorhynchus dectatus perkinsi*, Notes on a population from the Borrego area, N.E. San Diego Cnty., California, Brattstrom, B. H. (3).

*Phymophis guianense*, From Perija, Venezuela, Aleman, G. C.

†*Pituophis catenifer*, Pleistocene, McKittrick Asphalt, California, Brattstrom, B. H. (1).—*P. catenifer*, Taken from dam area at San Joaquin, California, Cohen, N. W. & Wood, S. F.—as prey of bobcat in California, Leach, H. R. & Frazier, W. H.—*P. catenifer affinis*, From Huachuca area, below 6,000 ft., Arizona, Woodin, W. H.—*P. catenifer affinis*; *deppiei jani*, From San Luis Potosi, Mexico, Taylor, E. H. (2).—*P. catenifer affinis* 12 years 8 months, *c. annectens*, 15 yrs. 2 mths., *c. catenifer*, 11 yrs.; *melanoleucus melanoleucus*, 12 yrs. 5 mths. in captivity, Perkins, C. B.—*P. c. affinis*, Removal of abnormal eggs by surgery, Kauffeld, C. F. (3).—*P. c. sayi*, Common in Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—Sight records in Grand Teton-Jackson Hole area, Wyoming, Carpenter, C. C. (2).—*P. melanoleucus melanoleucus*, First report from Aiken Cnty. (S. Carolina), Hoy, W. E. and others.—On egg-laying of captive specimen; hatching, and young, photograph, New, J. G.—*P. m. mugitus*, Notes on eggs and young of Florida specimens, Neill, W. T. (2).

*Prosymna ambigua ambigua*, In the Musée royal du Congo belge, Laurent,

R. (2).—Fig., from Katanga, Belgian Congo, Witte, G. F. de.—*P. lineata*, from Mozambique; *P. ambigua stuhlmanni*, from Nyasaland and Mozambique, Loveridge, A. (1).

*Psammodynastes*, Of Malaya; *pulverulentus*, head fig.; *pictus*, Tweedie, M. W. F. (1).—*P. pulverulentus*, From Sumba Id., Forcart, L. (2).

*Psammophis angolensis*, From Nyasaland, Loveridge, A. (1).—*P. leihii*, Effect of bite on other snakes, Mertens, R. (6).—*P. schokari*, Effect of bite on other snakes, Mertens, R. (6).—Effects of water and temperature in the Atlas Mtns., Morocco, Saint Girons, H. (1).—From Yemen, ventral range 174-190 in four specimens, Schmidt, K. P. (5).—*P. sibilans*, Effect of bite on other snakes, Mertens, R. (6).—Of W. African forests, Rahm, U. (4).—*P. sibilans sibilans*, figs.; *angolensis*, figs., from Katanga, Belgian Congo, Witte, G. F. de.—*P. sibilans sibilans*, Reported as imported into Ile de Sal (Pedra de Luma), Cape Verde Ids. from Portuguese Guinea; Dekeyser, P.-L. & Villiers, A.—From Port Harcourt area, Nigeria, Romer, J. D. (1).—From Nyasaland and Mozambique, Loveridge, A. (1).—From N. of Chiromo, Shire Valley, Nyasaland, Loveridge, A. (4).—*P. subtaeniatus sudanensis*, from Nyasaland; *subtaeniatus subtaeniatus*, from Mozambique; habits notes, etc., Loveridge, A. (1).

*Psammophylax tritaeniatus variabilis* Gthr., is revived for the dark-bellied montane form south of the equator; previously miscalled *t. tritaeniatus*; *t. tritaeniatus*, from Nyasaland, Loveridge, A. (1).—*P. tritaeniatus variabilis*, From Mlanje Mt., Nyasaland, Loveridge, A. (4).

*Pseudaspis cana*, note on Nyasaland record, Loveridge, A. (1).—Habitat notes on Cape Town area, Mertens, R. (5).—Fig., from Katanga, Belgian Congo, Witte, G. F. de.

*Pseudoboa cloelia*, Tropical America, Trinidad, Lesser Antilles; Grenada (very rare); St. Lucia (extinct), Dominica; *neuweidii*, Grenada (possibly extinct), Trinidad, tropical America, Westermann, J. H.—*P. neuweidii*, From Perija, 200 m., Venezuela, Aleman, G. C.—*P. n. neuweidii*, From Comuri Chico, Macuto, Dist. Federal, Venezuela, Roze, J. A. (1).

*Pseudorhabdion longiceps*, Of Malaya, head fig.; Tweedie, M. W. F. (1).

*Pseudozenodon macrops*, Of Malaya, Tweedie, M. W. F. (1).

*Pseustes poecilonotus*, fig., From Perija, 1,075 m., Venezuela, Aleman, G. C.

*Ptyas korros*, head fig., of Malaya, Tweedie, M. W. F. (1).—*P. mucosus*, Malayan records deleted, Tweedie, M. W. F. (1).—*P. mucosus*; *korros*, Of Java; on the anatomy, topographic and biometric measures of the body and internal organs; sex length comparisons, Bergman, R. A. M.

*Rhadinaea brevirostris*, From Perija, Venezuela, Aleman, G. C.—*R. aemula*; *hesperia hesperia*; *laureata*, From Morelos State, Mexico, Davis, W. B. & Smith, H. M. (5).—*R. flavilata*, In Florida, Goin, C. J. & O. B. (2).—*R. crassa*, From San Luis Potosi, Mexico, Taylor, E. H. (2).

*Rhamphiophis acutus*, In the Musée royal du Congo belge, Laurent, R. (2).—*R. acutus*, figs.; *rostratus*, fig., from Katanga, Belgian Congo, Witte, G. F. de.—*R. oxyrhynchus rostratus*, from Nyasaland and Mozambique, Loveridge, A. (1).

*Rhinocheilus lecontei lecontei*, 11 years 1 month in captivity, Perkins, C. B.—*R. l. lecontei*; *l. clarus*, from Huachuca area, Arizona, Woodin, W. H.—*R. l. tessellatus*. The first state record from San Luis Potosi, Mexico, Taylor, E. H. (2).

*Salvadora bairdi* (first record); *mexicana*, From Morelos State, Mexico, Davis, W. B. & Smith, H. M. (5).—*S. hexalepis deserticola*, From Huachuca area, Arizona, Woodin, W. H.—*S. h. mojavensis*, First record east of the Virgin River of Washington Cnty., in Adairville, Kane Cnty., Utah, Tanner, W. W. (2).—*S. lineata*, From San Luis Potosi, Mexico, Taylor, E. H. (2).

*Scaphiophis albopunctatus albopunctatus*, fig., from Katanga, Belgian Congo, Witte, G. F. de.

*Seminatrix pygaea*. On its presence in Georgia, and also in salt marsh, *S. p. cyglae* from S. Florida, specimen of 348 mm. in total length recorded, Neill, W. T. (2).

*Sibon sanniola*, First record from Quintana Roo, Estados Unidos, Mexico, Peters, J. A.—*S. sibon*, fig., From Perija, 1,075 m., Venezuela; note on colour, Aleman, G. C.

*Sibynophis*, key to Malayan species, notes, range, *melanocephalus* [*geminatus* (Boie), of auth.]; *collaris*, Tweedie, M. W. F. (1).—*S. chinensis*, From Kweichow Prov., China, Wang, Y. M.—*S. sagittarius*, From Nepal, Smith, M. A. & Battersby, J. C.

*Sonora semiannulata blanchardi*, Ecological association in mountain region of Trans-Pecos, Texas, Milstead, W. W. (2).—*S. s. isozona*, From Huachuca area, Arizona, Woodin, W. H.

*Spilotes pullatus pullatus*, On specimens from Maracay, Venezuela, head figs., Hellmich, W. (2).—Head photo., from Comuri Chico, Macuto, Dist. Federal, Venezuela, Roze, J. A. (1).—*S. p. mexicanus*, From Quintana Roo, Estados Unidos, Mexico, Peters, J. A.—From San Luis Potosi, Mexico, Taylor, E. H. (2).—*S. ? pullatus mexicana*, From cave deposits in Yucatan, Hatt, R. T. & Langebartel, D. A.

*Stegonotus magnus modestus*, In Dutch New Guinea, Forcart, L. (1).—*S. sulteri*, sp. nov., from Lindiwatju, 430 m., C. Sumba, Dutch E. Indies; photographs, figs., hemipenis fig., Verh. naturf. Ges. Basel 64 p. 379 1953 figs., Forcart, L. (2).

*Stenorrhina degenhardti*, From Comuri Chico, Macuto, Dist. Federal, Venezuela, Roze, J. A. (1).

*Storeria dekayi*, In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—From Camp Pickett, Virginia, Hoffman, R. L.—*S. dekayi occipitomaculata*, On hibernation sites, associates, depth variation in Michigan, Carpenter, C. C. (3).—*S. dekayi texana*, From Texas, new county records, Jefferson, Newton, food habits, Guidry, E. V.—*S. occipitomaculata obscura*, In Florida, Goin, C. J. & O. B. (2).—*S. storeroides*, From Morelos State, Mexico, Davis, W. B. & Smith, H. M. (5).

*Tantilla atriceps*; *wilcoxi wilcoxi*, From Huachuca area, Arizona, Woodin, W. H.—*T. bocourti bocourti*; *deppiei* (first records), From Morelos State, Mexico; type locality of *deppiei* restricted to the vicinity of Huitzilac, Morelos, Davis, W. B. & Smith, H. M. (5).—*T. coronata*,

in Louisiana, **Anderson, P. K., Liner, E. A. & Etheridge, R. E.**—*T. c. coronata*, Notes on nest and eggs in Georgia, **Neill, W. T. (2).—*T. c. mitrifer*, subsp. nov. from Caesar's Head, 5 mls. S. of Caesar's Head community, Greenville Cnty., S. Carolina, *Herpetologica*, **9**, 1953, p. 153, **Schwartz, A.**—*T. gracilis hallowelli*, From St. Clair Cnty., Illinois, **Neill, W. T. (2).—*T. moesta*, From Quintana Roo, Estados Unidos, Mexico, **Peters, J. A.******

*Tarboophis barnumbrowni* Bogert is a synonym of *Crotaphopeltis h. hotamboeia* (Laur.), **Loveridge, A. (1).—*T. fallax* (*Telescopus fallax*), head fig., Of Yugoslavia, **Radovanovic, M. (1).—*T. fallax fallax*, In Yugoslavia, **Karaman, S.**—*T. semiannulatus semiannulatus*, fig., from Katanga, Belgian Congo, **Witte, G. F. de.******

*Telescopus*. On Aegean forms, key, *f. pallidus*, Gavdons, Kreta Ids., fig., *f. multisquamatus*, from Kufonisi Id., fig.; *f. rhodicus*, Rhodos Id.; *f. fallax*, fig., **Wettstein, O. (3).**—*T. fallax fallax*, In Turkey, **Mertens, R. (7).**—*T. fallax multisquamatus*, subsp. nov. (p. 255) types from Insel Kufonisi a.d. SO.-Ecke Kretas; *T. fallax rhodicus*, subsp. nov. (p. 255), type from Monolito; paratypes from Iannadi nr. Mt. Profeta, Insel Rhodes,—Anz. öst. Akad. Wiss. **89** 1953, **Wettstein, O. (1).**—*T. iberus*, *T. syriacus*, are races of *T. fallax*, **Wettstein, O. (1).**—*T. semiannulatus semiannulatus*, from Mozambique, and notes on Nyasaland records, **Loveridge, A. (1).**

*Thalerophis diplotropis diplotropis* (range extended), *cyrtopsis cyclides* (previously recorded from this locality as *eques eques*), *scalaris scalaris*, From Morelos State, Mexico, **Davis, W. B. & Smith, H. M. (5).**—*T. mexicanus mexicanus*, From San Luis Potosi, Mexico, **Taylor, E. H. (2).**—? *T. mexicana yucatanensis*, From cave deposits in Yucatan, **Hatt, R. T. & Langebartel, D. A.**—*T. richardi coeruleodorsus*, From Comuri Chico, Macuto, Dist. Federal, Venezuela, **Roze, J. A. (1).**—*T. r. praestans*, From Quintana Roo, Estados Unidos, Mexico, **Peters, J. A.**

*Thamnophis* sp., On nervous system development, figs., **Scharrer, E.**—†*Thamnophis* sp., In Pleistocene of Florida, **Brattstrom, B. H. (2).**—*T. butleri*, On weight-length relationship and use of information, **Carpenter, C. C.**

(1).—*T. cyrtopsis*, On geographic variation; races, *c. sumichrasti*; *c. cyrtopsis* (fig.); *c. cyclides*; *c. ocellata* (fig.), **Milstead, W. W. (1).**—*T. cyrtopsis cyrtopsis*, Ecological association in mountain region of Trans-Pecos, Texas, **Milstead, W. W. (2).**—From Huachuca area, Arizona, **Woodin, W. H.**—*T. cyrtopsis cyrtopsis*, (This species was formerly recognised under the name *Th. eques eques* (Reuss)), From San Luis Potosi, Mexico, **Taylor, E. H. (2).**—*T. elegans*, Taken from dam area at San Joaquin, California, **Cohen, N. W. & Wood, S. F.**—*T. eques eques*, (Often confused with *Th. cyrtopsis cyrtopsis*), From San Luis Potosi, Mexico, **Taylor, E. H. (2).**—*T. halophilus*, From San Luis Potosi, Mexico, **Taylor, E. H. (2).**—*T. marcianus nigrolateris*, From Huachuca area, Arizona, **Woodin, W. H.**—*T. melanogaster canescens*, From San Luis Potosi, Mexico, **Taylor, E. H. (2).**—*T. ordinatus*, From Texas, new county record, **Jefferson, Guidry, E. V.**—*T. o. parietalis*, Food habits in nature and captivity, **Watson, D. M. (2).**—*T. phenax*, From San Luis Potosi, Mexico, **Taylor, E. H. (2).**—*T. radix*, Comparative embryology, **Nelsen, O. E.**—*T. sauritus sauritus*, First record from Aiken Cnty. (S. Carolina), **Hoy, W. E. and others.**—*T. sauritus proximus*, In Lake Texoma area, Texas/Oklahoma, **Bonn, E. W. & McCarley, W. H.**—From Texas, new county records, **Newton**, food habits, **Guidry, E. V.**—*T. sauritus sackenii* (S. ribbon snake), *sirtalis sirtalis* (common garter snake), Found along the Tamiami Trail, Florida, **Neill, W. T. (2).**—*T. sirtalis parietalis*; *T. elegans vagrans*, Ecology of specimens in Grand Teton-Jackson Hole area, Wyoming, **Carpenter, C. C. (2).**—*T. s. sirtalis*; *sauritus sauritus*, *butleri*, On hibernation sites, associates, depth variation in Michigan, **Carpenter, C. C. (3).**—*T. sirtalis*, Taken from dam area at San Joaquin, California, **Cohen, N. W. & Wood, S. F.**—*T. sirtalis sirtalis* (Garter snake), In Florida, **Goin, C. J. & O. B. (2).**—(Common Garter snake), On weight-length relationship and use of information, **Carpenter, C. C. (1).**—Notes on feeding habits, earthworms and amphibians, **Healy, W.**—*T. sirtalis proximus*, in Louisiana, **Anderson, P. K., Liner, E. A. & Etheridge, R. E.**—From San Luis Potosi, Mexico, **Taylor, E. H. (2).**

*Thelotornis kirtlandii*, Of W. African forests, **Rahm, U. (4)**.—*T. kirtlandii*, fig. (*T. k. kirtlandii* Hallowell is a synonym); *capensis*, fig. (*T. k. capensis* A. Smith is a synonym), from Katanga, Belgian Congo, **Witte, G. F. de**.—*T. kirtlandi kirtlandi*, From Port Harcourt area, Nigeria, **Romer, J. D. (1)**.—*T. kirtlandii oatesii* Gthr., is revived for certain lowland vine-snakes of Nyasaland, S. Rhodesia and ? Angola; *k. capensis*, from Nyasaland; notes on colour patterns of heads, variation, etc., **Loveridge, A. (1)**.

*Thermophilis*, gen. nov., for *Tropidonotus baileyi* Wall, 1907, genotype; species redescribed, head and hemipenis figured, notes on type localities (Tibet), **Copeia 1953 : 92, Malnate, E. V.**

*Thrasops jacksonii jacksonii*, from Katanga, Belgian Congo, **Witte, G. F. de**.

*Toluca lineata lineata*, From Morelos State, Mexico, **Davis, W. B. & Smith, H. M. (5)**.

*Tomodon dorsatus*, On venom glands and muscular activity and structure, figs., **Anthony, J.**

*Trimerorhinus*; referred to synonymy of *Psammophylax*, **Loveridge, A. (1)**.

*Trimorphodon lambda*, From Huachuca area, Arizona, **Woodin, W. H.**—*T. latifascia*, From Morelos State, Mexico, **Davis, W. B. & Smith, H. M. (5)**.

*Tropidoclonion lineatum*, In Lake Texoma area, Texas/Oklahoma, **Bonn, E. W. & McCarley, W. H.**—*T. lineatum*, observations, range, note on type; *l. lineatum*, type locality restricted to Fort Leavenworth, Kansas; *l. annectens*, subsp. nov., (p. 12), type locality, Tulsa, Oklahoma; *l. texanum*, subsp. nov., (p. 14), type locality, 13 mls. S. of Bertram, Burnet Co., Texas; **Herpetologica 9 1953 Ramsey, L. W.**

*Tropidodipsas guerreroensis*, On individual variation of specimens from Acahuizotla, Guerrero, Mexico, **Davis, W. B. (3)**.—*T. perijanensis*, sp. nov., Type locality: Jamayaujaina, Sierra de Perija, Estado Zulia, 1,700 m. Venezuela; genus extended into Venezuela, **Mem. Soc. Cienc. nat. La Salle 13 35 1953 p. 217 fig., Aleman, G. C.**—*T. sartorii sartorii*, First record from Quintana Roo, Estados Unidos, Mexico, **Peters, J. A.**

*Tropidonotus* see under *Natrix*.

*Xenelaphis hexagonotus*, **Tweedie, M. W. F. (1)**.

*Xenocalamus mechowii*, In the Musée royal du Congo belge, **Laurent, R. (2)**.—*X. mechowii mechowii*, fig.; *michellii*, fig., from Katanga, Belgian Congo, **Witte, G. F. de**.

*Xenochrophis cerasogaster*, Malayan record deleted, **Tweedie, M. W. F. (1)**.

*Xenodermus javanicus*, Of Malay, **Tweedie, M. W. F. (1)**.

*Xenodon merremii*, On the anatomy of the head, figs., **Anthony, J. & Serra, R. G.**—*X. mexicanus*, First record from Quintana Roo, Estados Unidos, Mexico, **Peters, J. A.**—*X. severus*, Fig., From Perija, Venezuela, **Aleman, G. C.**

*Zamenis gemonensis*, From Isola Montecristo, Mediterranean, **Toschi, A.**—*Z. gemonensis* (*Coluber jugularis*); head fig., *Z. dahlui* (*Coluber najadum*), fig., Of Yugoslavia, **Radovanović, M. (1)**.

*Zaocys carinatus, fuscus*, Of Malay, **Tweedie, M. W. F. (1)**.

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*Dasyeltis scaber*, an Egyptian record in 1948 from Matartaris, Fayum, **Magid, I. M. A. (2)**.—Fig., from Katanga, Belgian Congo, **Witte, G. F. de**.—*D. scaber scaber*, from Nyasaland and Mozambique; *s. palmarum*, from Nyasaland; *s. medici*, first record for Nyasaland, **Loveridge, A. (1)**.—*D. scaber fasciatus*, From Port Harcourt area, Nigeria, **Romer, J. D. (1)**.

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*Acanthophis antarcticus*, experiments on the specificity of active immunity to venom, **Kellaway, C. H. (1)**.—Biochemistry and action of venom, **Forbes, N.**—*A. antarcticus antarcticus*, On habits, venom, range, photograph, **Worrell, E.**

*Apistocalamus lonnbergi*, In Dutch New Guinea, **Forcart, L. (1)**.



*Aspidomorphus diadema*. On Queensland Museum records and notes on the type of synonym *Denisonia bancrofti* De Vis, Mack, G. & Gunn, S. B.—*A. mülleri mülleri*, *schlegelii*, In Dutch New Guinea, Forcart, L. (1).

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*Bungarus*, key to Malayan species, *fasciatus*, head fig., photo.; *candidus*; *flaviceps*, Tweedie, M. W. F. (1).—*B. ceylonicus*, Of Ceylon, Taylor, E. H. (3).—*B. fasciatus*, Biochemistry and action of venom, Porges, N.

*Callophis gracilis*, *maculiceps*, Of Malaya, notes, Tweedie, M. W. F. (1).

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*Denisonia coronoides*, Notes on the synonym *Denisonia nigra* De Vis; *D. sula*, On Queensland records and notes on the synonym *Denisonia frontalis* var. *propinqua* De Vis; *D. maculata*, On Queensland records and notes on the synonym *Hoplocephalus ornatus* De Vis, Mack, G. & Gunn, S. B.—*D. superba*, experiments on the specificity of active immunity to venom, Kellaway, C. H. (1).—Biochemistry and action of venom, Porges, N.—Observations of probable fascination of birds, Rayment, T.—*D.*

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*Glyphodon tristis*, On Queensland Museum records and notes on the type of synonym *Denisonia fenestrata* De Vis, Mack, G. & Gunn, S. B.

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*Hoplocephalus bitorquatus*, On Queensland records and notes on the synonyms, *Hoplocephalus sulcans* De Vis, *Denisonia angulata* De Vis, *D. revelata* De Vis, Mack, G. & Gunn, S. B.—*H. bungaroides*, *stephensi* (photo), on venoms, Kellaway, C. H. (3).—*H. stephensi*, *bungaroides*, photos., on habits, venom, ranges, Worrell, E.

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*Micrurus*, Analysis of bites in Panama Canal Zone during 1925 to 1951, Jutz, D. A. and others.—*M. affinis alienus*, First record of subspecies from Quintana Roo, Estados Unidos, Mexico, Peters, J. A.—*M. carinicauda*, fig.; *mipartitus*, from Perija, Venezuela; one specimen spec. non. aet., Aleman, G. C.—*M. frontalis*, Notes on the races, key; *f. altirostris*, range, Uruguay, Brazilian states of Rio Grande do Sul, Paraná, São Paulo, probably S. Catharina and S. Mato Grosso, Argentina, Gobernación of Misiones and probably in Corrientes Province and Entreríos and Buenos Aires, also Paraguay; *f. frontalis*, range, S. Brasil; Paraguay, Argentina probably in Province of Buenos Aires and Corrientes and Entreríos and the Gobernación of Misiones; *f. pyrrhocryptus*, range, N. Argentina, Bolivia, probably occurs east to the Paraguay R. and E. to the Paraná R. below its confluence with the Paraguay, Shreve, B.—*M.*

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**Hems & Krebs.**—Photo, showing spectacle, observations, **Rajendran, M. V.**—*N. naja naja*, The arterial system, figs., **Silva, P. H. D. H. de.**—*N. naja kaouthia*, Effect of bite on other snakes, **Mertens, R. (6)**.—*N. nigricollis nigricollis*, Of Tanganyika, general notes, **Ionides, C. J. P.**—Common in Port Harcourt area, Nigeria, **Romer, J. D. (1)**.—Of Nigeria, **Romer, J. D. (3)**.—*N. tripudians*, experiments on the specificity of active immunity to venom, **Kellaway, C. H. (1)**.

*Notechis*, On habits, venom, distribution of *scutatus scutatus*, photograph; *s. niger*, photograph; *s. occidentalis*, **Worrell, E.**—*N. scutatus*, experiments on the specificity of active immunity to venom, **Kellaway, C. H. (1)**.—Observation of attack by domestic chickens, **Rayment, T.**—*N. s. occidentalis*, Range extension to Nangetty Station, 16 miles N. of Marigenew, W. Australia, **Jenkin, C. F. H.**

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*Tropidechis carinatus*, photo, habits, venom, range, Worrell, E.—*T. dunensis*, Notes on type and corrections to original descriptions, head fig., Australian locality suggested as error, Mack, G. & Gunn, S. B.

*Vermicella annulata*, On Queensland records and notes on the synonym *Rhynchoelaps latizonatus* De Vis, Mack, G. & Gunn, S. B.

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#### HYDROPHIDAE

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*Aepyurus eydouxi*, Malayan regions, Tweedie, M. W. F. (1).

*Astrotia stokesi*, Malayan region, Tweedie, M. W. F. (1).

*Enhydrina schistosa*, Malayan regions, head fig., Tweedie, M. W. F. (1).

*Hydrophis*, On Malayan species, notes, key, *klossi*; *cyanocinctus*; *spiralis*; *melanosoma*; *caerulescens*; *ornatus*; *torquatus* *torquatus*; *t. aagardi*; *brookei*; *fasciatus* *fasciatus*; *f. atriceps*, Tweedie, M. W. F. (1).—*H. major*, On Queensland Museum records and notes on the type of synonym *Distira nasalis* De Vis, Mack, G. & Gunn, S. B.—*H. spiralis*, from Sumba Id., Forcart, L. (2).

*Kerilia jerdoni*, Malayan regions, Tweedie, M. W. F. (1).

*Kolpophis annandalei*, Not yet recorded off Malayan coasts, notes, Tweedie, M. W. F. (1).

*Lapemis hardwickii*, From Sumba Id., Forcart, L. (2).—Malayan regions, Tweedie, M. W. F. (1).

*Laticauda colubrina*, Malayan regions, notes, photo., head fig., Tweedie, M. W. F. (1).

*Microcephalophis gracilis*, Malayan regions, *M. cantoris*, Malayan record deleted, Tweedie, M. W. F. (1).

*Pelamis platurus*, On rare presence in the Hawaiian Ids., Oliver, J. A. & Shaw, C. E.—On early records in Latin America, Taylor, E. H. (4).—Malayan regions, Tweedie, M. W. F. (1).

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List of types in Stanford University Museum, Leviton, A. E. (1).—Key to Nyasaland species, Loveridge, A. (1).

*Typhlops*, On vernacular names in some Senoufo dialects, **Clamens, G. (2)**.—Key to Malayan species; *braminus*, head fig.; *diardi muelleri*, head fig.; *lineatus*; *albiceps*; **Tweedie, M. W. F. (1)**.—*T. bothriorhynchus*, *mutilatus*, Malayan records deleted, **Tweedie, M. W. F. (1)**.—*T. boulengeri*, fig., from Katanga, Belgian Congo, **Witte, G. F. de**.—*T. braminus*, On presence and introduction into the Hawaiian Ids., **Oliver, J. A. & Shaw, C. E.**—*T. conigicus*, fig., from Katanga, Belgian Congo, **Witte, G. F. de**.—*T. conigicus*, *avakubae*, In the Musée royal du Congo belge, **Laurent, R. (2)**.—*T. braminus*, *polygrammicus brongersmai*, *p. undecimlineatus*, from Sumba Id., *polygrammica polygrammica*, from Timor, *p. nigrescens*, synonymy given; *p. florensis*, from Flores, *p. elberti*, from Lombok, **Forcart, L. (2)**.—*T. katangensis* Witte is a synonym of *T. leptosoma* **Witte, Witte, G. F. de**.—*T. kibarae*, sp. nov., (p. 150), from Pelenge, Lufira, 1,250 m., and Kaswabilenga, Lupiala, 700 m., Katanga, Kabalo, Belgian Congo; Explor. Parc. Nat. Upemba, Miss. de Witte, No. 6, 1953, **Witte, G. F. de**.—*T. leptosoma*, figs., from Katanga, Belgian Congo, **Witte, G. F. de**.—*T. lineatus*, From Ulu Langat, Selangor, **Tanner, V. M. (1)**.—*T. nigrescens*, *florensis brongersmai*, *florensis florensis*, *florensis undecimlineatus*, *florensis elberti*, are all subspecies of *polygrammicus*, **Forcart, L. (2)**.—*T. punctatus*, Photo. of W. African forests, **Rahm, U. (4)**.—*T. punctatus punctatus*, Fig., from Katanga, Belgian Congo, **Witte, G. F. de**.—*T. schlegelii mucroso*, From Zomba, Nyasaland, **Loveridge, A. (4)**.—Figs., from Katanga, Belgian Congo, **Witte, G. F. de**.—*T. sulcatus*, Navassa possibly extinct, **Westermann, J. H.**—*T. tettensis obtusus*; *schlegelii mucroso*, from Nyasaland; *s. schlegelii*, from Mozambique, **Loveridge, A. (1)**.—*T. vermicularis*, In Yugoslavia, **Karaman, S.**—**Radovanović, M. (1)**.—From Rhodes Id., **Wettstein, O. (3)**.—*T. viridiflavus*, fig., from Katanga, Belgian Congo, **Witte, G. F. de**.

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*Pseudotyphlops philippinus*, On specimens from Ceylon, notes on synonymy, **Taylor, E. H. (3)**.

*Uropeltis macrolepis*, Notes on striped form, possibly restricted to Mahabeshwar, W. Ghats, Bombay, **Chari, V. K.**

#### VIPERIDAE

Key to Nyasaland species, **Loveridge, A. (1)**.—On Malayan forms, notes, plates, figs., **Tweedie, M. W. F. (1)**.—Pamphlet on Crotalidae polyvalent, **Wyeth**.—List of Crotalid types in Stanford University Museum, **Leviton, A. E. (1)**.

*Agkistrodon bilineatus bilineatus*, First record from Morelos State, Mexico, **Davis, W. B. & Smith, H. M. (5)**.—*A. blomhoffii brevicaudus*, From Korea, **Tanner, V. M. (2)**.—*A. contortrix*, Fig., *piscivorus*, distribution maps in Illinois, **Smith, P. W.**—*A. c. laticinctus* 12 years 7 mths.; *c. mokeson*, 16 yrs. 6 mths.; *piscivorus*, 17 yrs. 8 mths., in captivity, **Perkins, C. B.**—*A. contortrix mokeson*, On aggregation behaviour of females during gestation, **Finneran, L. C.**—From Camp Pickett, Virginia, **Hoffman, R. L.**—On variation of venom samples, **Minton, S. A.**—*A. contortrix mokeson*; *piscivorus leucostoma*, In Lake Texoma area, Texas/Oklahoma, **Bonn, E. W. & McCarley, W. H.**—*A. himalayanus*, From Kulu district, W. Himalayas (6,200 ft.), **Acharji, M. N. & Kripalani, M. B.**—*A. hypnale*, Of Ceylon, **Taylor, E. H. (3)**.—*A. mokeson*, Observations on the premaxillary dentition and the egg-tooth, **Smith, M. A., Bellairs, A. d'A. & Miles, A. E. W.**—*A. mokeson mokeson*, First record from Aiken Cnty.; *piscivorus*, First record from Barnwell Cnty. (S. Carolina), **Hoy, W. E. and others.**—†*A. piscivorus*, In Pleistocene of Florida, **Brattstrom, B. H. (2)**.—*A. piscivorus*, Pairing and breeding in captivity, **Künzl, H.**—Biochemistry and action of venom, **Porges, N.**—On amino acid oxidations by the venom, **Braganca, B. M. & Quastel, J. H. (1)**.—Observations on enzyme inhibitions by venom, **Braganca, B. M. & Quastel, J. H. (2)**.—On specimen of approx. 7 lbs. weight eating 1½ lb. catfish, yellow bullhead, **Yerger, R. W.**—*A. piscivorus mokeson*, Observations and ecological data, **De Lie, D. A.**—*A. piscivorus piscivorus*, collected along the Tamiami Trail, Florida, **Neill, W. T. (2)**.—*A. piscivorus leucostoma*, From Texas, new county records, Newton, food habits, *c. contortrix*, habits, feeding, **Guidry, E. V.**—*A. rhodostoma*, Notes, **Wegner, A. M. R.**

*Ancistrodon himalayanus*, From Nepal; at altitudes up to 10,000 ft., **Smith, M. A. & Battersby, J. C.**—*A.*



*piscivorus*, On venom, Izard, Y. & Boquet, P.—*A. rhodostoma*, Of Malaya, photo., head figs., Tweedie, M. W. F. (1).

*Aspis cerastes*, On locomotion and habitat, figs., Mertens, R. (2).—Effect of bite on other snakes, Mertens, R. (6).

*Atheris chlorechis*, Of W. African forests, photo., Rahm, U. (4).—From Port Harcourt area, Nigeria, Romer, J. D. (1).—*A. chlorechis, squamigera*, On ethnographical use in Senoufo, French N. Africa, Clamens, G. (1).—*A. katangensis*, sp. nov. (p. 301, figs., col. pl.), from Mubale-Munte; Pelenge; Kankunda, Katanga, Belgian Congo, Explor. Parc. Nac. Upemba, Miss. de Witte, No. 6, 1953, Witte, G. F. de.—*A. nitschei rungwensis*, fig., from Nyasaland, Loveridge, A. (1).

*Atractaspis aterrima*, Case history of a bite, Lepesme, P. & Doucet, J.—*A. bibronii rostrata*, Loveridge, A. (1).—*A. irregularis*, On a case of a bite and its effect, radiographs, effect on bone, Doucet, J. & Lepesme, P.—*A. irregularis conradsii*, fig.; *congica orientalis*; *congica leleupi*, figs.; *bibronii rostrata*, fig.; *reticulata heterochilus*, figs., from Katanga, Belgian Congo, Witte, G. F. de.—*A. reticulata heterochilus*, In the Musée royal du Congo belge, Laurent, R. (2).

*Bitis*, Colour pattern variation and arrangement, figs., Harnack, M. von.—*B. arietans*, From Shire Valley, Nyasaland, Loveridge, A. (4).—From Yemen, Schmidt, K. P. (5).—In Kenya, photographs, Watkins-Pitchford, R.—*B. arietans arietans*, from Nyasaland and Mozambique; note on nomenclature and use of *lachesis*, Loveridge, A. (1).—*B. atropus, caudalis*; *peringueyi*, In Cape Town area, Mertens, R. (5).—*B. caudalis*, Photo.; *peringueyi*, Photo., On locomotion and habitat, Mertens, R. (2).—*B. gabonica*, Bio-chemistry and action of venom, Porges, N.—Observations on the premaxillary dentition and the egg-tooth, Smith, M. A., Bellairs, A. d'A. & Miles, A. E. W.—*B. gabonica; nasicornis*, Ethnographic notes, Senoufo, French N. Africa, Clamens, G. (1).—*B. gabonica* (photo.); *nasicornis*, Of W. African forests, Rahm, U. (4).—*B. g. gabonica*, From Port Harcourt area, Nigeria, Romer, J. D. (1).—*B. lachesis*, Effect of bite on other snakes, Mertens, R. (6).—*B. lachesis lachesis*, figs.;

*gabonica*, figs., from Katanga, Belgian Congo, Witte, G. F. de.

*Bothrops*, ? From cave deposits in Yucatan, Hatt, R. T. & Langebartel; D. A.—*Bothrops atrox*, 1,075–1,130 m., *lansbergii*, 1,075 m., fig., from Perijá, Venezuela, Aleman, G. C.—*B. atrox*, Observations in W. Indies, photo., Underwood, G. (2).—*B. atrox atrox*, From Comuri Chico, Macuto, Dist. Federal, Venezuela, Roze, J. A. (1).—*B. atrox; lansbergii; schlegelii*, Analysis of bites in Panama Canal Zone during 1925 to 1951, Jutzy, D. A. and others.—*B. atrox asper*, From Quintana Roo, Estados Unidos, Mexico, Peters, J. A.—*B. atrox; jararaca; neuwiedii*; Biochemistry and action of venom, Porges, N.—*B. atrox, alternata, jararaca*, effect of venom on collagen, Santos, H. L. de S. and others.—*B. brazili*, sp. nov., from Tomé Assú, Acará Mirim R., State of Pará, Brazil: Mem. Inst. Butantan, 25, 1, 1953, p. 15, pls., figs., Hoge, A. R. (2).—*B. cotiara*, A case of "xanthismus," of Brazilian specimen, Hoge, A. R. (1).

*Causus rhombeatus*, Of W. African forests, Rahm, U. (4).—From Port Harcourt area, Nigeria, Romer, J. D. (1).—*C. rhombeatus, defilippii*, fig., from Nyasaland, Loveridge, A. (1).—*C. rhombeatus*, figs.; *lichtensteini*, fig.; from Katanga, Belgian Congo, Witte, G. F. de.

†*Coniophis* is not a viper or Caenophid, Hoffstetter, R. (3).

*Crotalus* ? From cave deposits in Yucatan, Hatt, R. T. & Langebartel, D. A.

†*Crotalus adamanteus*, *C. sp.*, In Pleistocene of Florida, Brattstrom, B. H. (2).

*Crotalus adamanteus, atrox, horridus, viridis*, Observations and ecological data, De Lie, D. A.—*C. adamanteus*, 14 yrs. 9 mths.; *basiliscus basiliscus* 10 yrs. 1 mth.; *atrox*, 16 yrs. 7 mths.; *cerastes laterorepens*, 10 yrs. 8 mths.; *durissus durissus* 11 yrs.; *horridus horridus*, 15 yrs. 7 mths.; *mitchelli pyrrhus*, 11 yrs. 9 mths.; *ruber ruber*, 12 yrs. 3 mths.; *torturigenis*, 15 yrs. 9 mths.; *unicolor*, 12 yrs. 5 mths.; *viridis helleri*, 15 yrs. 10 mths.; *v. viridis*, 14 yrs. 1 mth., in captivity, Perkins, C. B.—*C. atrox; lepidus lepidus; molossus molossus*, Ecological association in mountain area

of Trans-Pecos, Texas, **Milstead, W. W.** (2).—*C. atrox*; *lepidus klauberi*; *molossus molossus*; *scutulatus scutulatus*; *triseriatus pricei*; *willardi willardi*, From Huachuca area, Arizona, **Woodin, W. H.**—*C. atrox*; *terrificus*; *adamanteus*; *horridus*, Biochemistry and action of venom, **Porges, N.**—*C. cerastes*, On locomotion and habitat, fig., **Mertens, R.** (2).—On colour changes, cause probably temperature, **Neill, W. T.** (2).—*C. cerastes cercombombus*, subsp. nov., type locality:—Gila Bend, Maricopa Cnty., Arizona, Nat. Hist. Misc. No. 119, 1953, p. 2, **Savage, J. M. & Cliff, F. S.**—*C. durissus culminatus*, *triseriatus triseriatus*, From Morelos State, Mexico, *transversus*, type locality fixed as Laguna Zempoala, State of Mexico; no definite record as yet for Morelos State, **Davis, W. B. & Smith, H. M.** (5).—*C. durissus terrificus*, From Perija, Venezuela, **Aleman, G. C.**—On feeding, and venom effect, **Olog, C. C.**—From Comuri Chico, Macuto, Dist. Federal, Venezuela, **Roze, J. A.** (1).—*C. horridus*, extension of range in S. Kansas, of 71 miles W. × 17 S. of Farlington Lake to Elk Falls, **Hall, E. R.**—Comparative embryology, **Nelsen, O. E.**—Figs., distribution map in Illinois, **Smith, P. W.**—*C. horridus horridus*, On variation of venom samples, **Minton, S. A.**—*C. horridus atricaudatus*, Common in Lake Texoma area, Texas/Oklahoma, **Bonn, E. W. & McCarley, W. H.**—Of Texas, note on bite incident, **Guidry, E. V.**—*C. m. molossus*, *tigris*, figs., sound records, **Bogert, C. M.** (1).—†*Crotalus potterensis* sp. nov. (p. 175) for Pleistocene of Potter Creek Cave, California. †*C. viridis* from Hawver Cave, Calif. **Copeia**, 1953, **Brattstrom, B. H.** (1).—*C. terrificus terrificus*, Effect of venom on amphibia muscle, **Moussatché, H. & Vieira, G. D.**—A case of albinism, of Brazilian specimen, **Hoge, A. R.** (1).—Effect of venom on man, **Amorim, M. de F. & Mello, R. F. de.**—*C. triseriatus triseriatus*; *triseriatus*, melanistic form; *atrox*, from San Luis Potosi, Mexico, **Taylor, E. H.** (2).—†*C. viridis*, From Pleistocene of Rancho La Brea, Los Angeles, California, **Brattstrom, B. H.** (4).—*C. viridis*, Taken from dam area at San Joaquin, California, **Cohen, N. W. & Wood, S. F.**—*C. viridis viridis*, On probably secondary strychnine poisoning through poisoned food, **Campbell, H.** (1).

*Echis carinatus*, On use of serum from the Haffkine Institute of Bombay, **Giboin, L.-M. & Dille, M.**—Effect of bite on other species of snakes, **Mertens, R.** (6).—Observed in captivity, photo., **Stubenvoll, R.**—*E. coloratus*, On occurrence in Egypt at Bir Abu Saafa (lat. 23° 20', long. 34° 45'), **Magid, I. M. A.** (1).—From Wadi Hodden, S.E. Desert, Egypt, **Negumi, A.**

*Eristocophis mcMahon*, On locomotion and habitat, **Mertens, R.** (2).

*Lachesis gramineus*, On venom, **Izard, Y. & Boquet, P.**—*L. muta*, Analysis of bites in Panama Canal Zone during 1925-1951, **Jutzy, D. A.** and others.

†*Neurodromicus* is not a Crotalid but a Caenophid, **Hoffstetter, E.** (3).—†*N. dorsalis* in Oligocene of N.E. Colorado, **Galbreath, E. C.**

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*Sistrurus catenatus*, 14 years in captivity, **Perkins, C. B.**—Fig., distribution map in Illinois, **Smith, P. W.**—Observations on the premaxillary dentition and the egg-tooth, figs., **Smith, M. A., Bellairs, A. d'A. & Miles, A. E. W.**—*S. catenatus catenatus*, Case report of a bite, **La Pointe, J.**—*S. catenatus tergeminus*, From Huachuca area, Arizona, **Woodin, W. H.**—*S. miliarius miliarius*, First record from Aiken Cnty. (S. Carolina), **Hoy, W. E.** and others.—*S. miliarius barbouri*, Specimen of 658 mm. total length excluding rattle, from Florida; specimens collected along the Tamiami Trail, Florida, **Neill, W. T.** (2).—*S. miliarius streckeri*, Common in Lake Texoma area, Texas/Oklahoma, **Bonn, E. W. & McCarley, W. H.**—From Texas, new county records, **Jefferson, Orange**, note on bite incident, **Guidry, E. V.**—*S. ravus*, From Morelos State, Mexico, **Davis, W. B. & Smith, H. M.** (5).

*Trimeresurus*, On Malayan species, key, figs., photographs, notes; *wagleri*, photos.; *sumatranus*, head fig.; *popeorum*; *monticola*; *purpureomaculatus*; *punctatus*, **Tweedie, M. W. F.** (1).—*T. albolabris*, Notes; *punctatus*, Notes; observations on venom, **Wegner, A. M. E.**—*T. flavoviridis*, As food of *Dindon semicarinatus*, figs., **Takara, T.**—*T. gramineus albolabris*, from Sumba Id., **Forcart, L.** (2).

*Vipera*, On Aegean specimens; *ammodytes meridionalis*, from Sikinos Ids.; Heraklea Ids.; *lebetina schweizeri*, from Milos, Kimolos Ids.; *l. siphensis*, from Siphnos Id., **Wettstein, O. (3)**.—*V. ammodytes amodytes*; *a. meridionalis*; *berus*; *ursinii*, In Yugoslavia, **Karaman, S.**—*V. aspis*, On blood-clotting by serum from venom, **Eyquem, A. & Fine, J.**—Hemagglutinogenes and hemagglutinines in blood, **Fine, J. & Eyquem, A.**—From Isola Montecristo, Mediterranean, **Toschi, A.**—On latent periods in Morocco, **Saint-Girons, H. (4)**.—*V. aspis*; *ammodytes*, head fig.; *ursinii*, head fig. *u. macrops*; *berus*, head fig., *b. bosniensis*, photo., Of Yugoslavia, **Radovanović, M. (1)**.—*V. aspis*, Ecology and ethology in France, geographic distribution chart, **Saint Girons, H. (5)**.—On amino acid oxidations by the venom, **Braganca, B. M. & Quastel, J. H. (1)**.—*V. a. aspis*, head fig.; *b. berus*, Of Neuchatel, Switzerland, **Aellen, V.**—*V. aspis aspis*; *berus*, Geographic range in Piedmont, N. Italy, **Tortonese, E.**—*V. aspis aspis* (2,400 m.); *berus berus* (1,000–1,010 m.), Geographical range in Neuchatel Canton, Switzerland, **Aellen, V. & Perret, J.-L.**—*V. aspis, berus*, in Biella area, Monte Rosa, Italy, **Capra, F.**—*V. aspis*; *russelli*, Biochemistry and action of venom, **Porges, N.**—*V. berus, aspis*, Observations on the premaxillary dentition and the egg-tooth, figs., **Smith, M. A., Bellairs, A. d'A. & Miles, A. E. W.**—*V. berus*; *aspis*, Geographic range in Aargau Canton, Switzerland, **Mittelholzer, A.**—*V. berus*, On the development of diencephalic nuclei and mesencephalic relations, figs., **Bergquist, H.**—Early embryological development table, **Hubrecht Laboratory.**—Ecology and ethology in France, geographic distribution chart, **Saint Girons, H. (5)**.—On age records in captivity (? 2 years), **Lepeere, F.**—In British Isles, habits; photos, **Leutscher, A. (2)**.—Observations on habits, photos., etc., **Leutscher, A. (3)**.—As food of buzzards, **Steinbacher, G.**—Investigations into neurosecretions, **Stutinsky, F.**—On colour variation, **Vainio, I. (2)**.—*V. berus berus*, Recorded in Shillingstone, Dorset, **Dalton, R. F.**—Report as common in Holt District, Norfolk, **H[olmes], R. M.**—*V. latastei*, On latent periods in Morocco, **Saint-Girons, H. (4)**.—*V. latastei latastei*, *V. latastei montana*,

subsp. nov. (p. 25), Atlas Mtns., Morocco, Notes on ecology, geographic range, presence of a small form at higher altitudes 2,500–2,700 m., **Bull. Soc. Zool. Fr. 78, 1953, Saint Girons, H. (3)**.—*V. lebetina*, In Cyprus, **Birkenmeier, E.**—*V. lebetina mauritanica*, Notes on captive specimen, **Knarr, J.**—*V. lebetina mauritanica, latastei montana*, Ecological notes in Morocco, Atlas Mtns., **Saint Girons, H. (2)**.—*V. lebetina obtusa*, In Turkey, **Mertens, R. (7)**.—*V. lebetina siphensis*, Note on type label; 25 scales in middle of body, **Wettstein, O. (1)**.—*V. palestinae*, On bite case and treatment in Israel, **Efrati, P. & Reif, L.**—*V. renardi*, From Elburs, 2,700 m., Rhene-Demavend, N. Persia, **Wettstein, O. v. (2)**.—*V. russelli*, On amino acid oxidations by the venom, **Braganca, B. M. & Quastel, J. H. (1)**.—Observations on enzyme inhibitions by venom, **Braganca, B. M. & Quastel, J. H. (2)**.—Experiments on the specificity of active immunity to venom, **Kellaway, C. H. (1)**.—*V. russellii*, On its zoogeographical range and local distribution in Indonesia; habits; note on hissing, photo of *r. sublimitis*, **Hoesel, J. K. P. van.**—*V. russellii sublimitis*, Notes on, **Wegner, A. M. R.**—*V. ursinii*, Ecology and ethology in France, geographic distribution chart, **Saint Girons, H. (5)**.—*V. ursinii ursinii*; *berus berus*; *ammodytes*, Of Czechoslovakia, **Stepanek, O.**

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*Xenopeltis unicolor*, pl. and head fig., **Tweedie, M. W. F. (1)**.

#### TESTUDINES

**General: Fossil.**—Fragments in Tertiary of Colombia, **Stirton, R. A.**

**General: Recent.**—Keys to species of Cuba, **Aguayo, C. G.**—On sex-dimorphism, **Guibe, J. (1)**.—On zoogeography, **Guibe, J. (2)**.—Of Morelos State, Mexico, **Davis, W. B. & Smith, H. M. (6)**.—Embryological material available, **Hubrecht Laboratory.**—List of types in Stanford University Museum, **Leviton, A. E. (1)**.—Key to tortoises and turtles of Nyasaland, **Loveridge, A. (1)**.—Records of turtles stranded on Scottish shores previous to 1953, **Stephen, A. C.**—Aegean specimens, descriptions, localities, **Wettstein, O. (3)**.—On muscle and nerves of the jaws, figs., of the

following:—*Dermochelys coriacea*; *Caretta caretta*; *Chelydra serpentina*; *Sternotherus odoratus*; *Kinosternon scorpioides*; *K. leucostomum*; *Chrysemys picta*; *Pseudemys scripta troostii*; *Malaclemys pileata littoralis*; *Graptemys pseudogeographica*; *Terrapene triunguis*; *Cuora amboinensis*; *Clemmys caspica*; *C. guttata*; *Emys orbicularis*; *Testudo graeca*; *Chelodina longicollis*; *Batrachemys nasuta*; (*Rhinemys n.*); *Pelusios niger*; *Amyda sinensis*, *Poglayen-Neuwall*, I. (1).

*Amyda*.—On taxonomy of N. American forms; *A. ferox ferox*, S. Georgia, Florida east of the Panhandle; *f. agassizii*, S.N. Carolina, S. to E.C. Georgia; *f. aspera*, The Florida Panhandle W. along the Gulf to E. Louisiana; *f. spinifera*, E. of the Mississippi, from Tennessee northward; *f. hartwegi*, W. of the Mississippi, from C. Oklahoma northward; *f. emoryi*, Texas and westward, *mutica*, Neill, W. T. (1).—*A. ferox emoryi*, *mutica*, In Lake Texoma area, Texas/Oklahoma, Bonn, E. W. & McCarley, W. H.—*A. ferox emoryi*, From Texas, new county records, Jefferson, Orange, Guidry, E. V.—*A. ferox hartwegi*, From Long Creek, S. of Melvern, Osage Cnty., Kansas, Clarke, R. F. (1).—*A. sinensis*, From Meitan, Kweichow Prov., China, Wang, Y. M.

*Annamemys merklei*, Observations on validity: description; *Cyclemys annamensis* is considered identical with *merklei*, but constitutes a distinct genus; lectotype designated of the single species, *Annamemys annamensis* (Siebenrock 1903), Savage, J. M.

†*Anthracochelys valisnerii*, gen. & sp. nov., Tertiary Pleurodine from Venice, C.R. Acad. Sci. Paris, 236, 2, 1953, p. 223, Bergounioux, F.-M.

†*Archelon ischyros* from Pierre Shale (Cretaceous) of Colorado, Zangerl, R.—†*Archelon copei*, from Niobrara Chalk of Kansas, redesc. and figd., Zangerl, R.

†*Calcarichelys gemma*, gen. & sp. nov. (p. 119), Cretaceous of Alabama, Fieldiana Geol. Mem. 3, 3, 4, 1953, Zangerl, R.

*Caretta caretta*, Observations on number reduction in the Caribbean area, Westermann, J. H.—First record of stranded specimen in Western Norway; with four enlarged inframarginals, figs., Willgoos, J. F.—*C. caretta caretta*, In

Yugoslavia, Karaman, S.—Records of Scottish strandings to 1953, Stephen, A. C.—On mating behaviour, photograph, Wood, F. G.—*C. caretta gigas*, Of Ceylon; coloured plate; figs., descriptions, habits, etc., Deraniyagala, P. E. P. (2).

*Chelodina longicollis*, In captivity, feeding by lamp-light, Klingelhofer, W. (3).—On longevity in captivity (36 years), Lepeere, F.

†*Chelone acuticostata* sp. nov., †*C. bellunensis* sp. nov.: Cryptideres from Tertiary of Venice. Names listed (p. 223), C.R. Acad. Sci. Paris, 236, 2, 1953, Bergounioux, F.-M.

*Chelone imbricata*, On development of the amnion, and observations on embryological assistance in zoogeographical problems, Melouk, M. A.

*Chelonia japonica*, On Hawaiian Island specimens, Oliver, J. A. & Shaw, C. E.—*C. mydas*, Of Ceylon; coloured plate, figs., description, habits etc., Deraniyagala, P. E. P. (2).—Embryological series available, Hubrecht Laboratory.—Observations on necessary conservation in the Caribbean area, Westermann, J. H.—*C. mydas agassizii*, About Galapagos Ids., Krefft, G.

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## GORGONOPSIA

*Broomicephalus laticeps* gen. & sp. nov. (p. 3); *Dracocephalus scheepersi* gen. & sp. nov. (p. 5); *Dinogorgon oudebergensis* sp. nov. (p. 6); *Alopecorhynchus rubidgei* Broom MSS. (p. 8); *Rubidgea major* sp. nov. (p. 10); *R. platyrhina* sp. nov. (p. 12); *Prorubidgea robusta* sp. nov. (p. 14); *Cyniscopoides broomi* gen. & sp. nov. (p. 16); *Cyniscops longiceps*; *Cynarioides gracilis*; *Aloposauroides tenuis* gen. & sp. nov. (p. 19); *Scylacocephalus watermeyer* Broom; *Lycaenoides angusticeps* Broom; *Lycaenops ornatus* Broom; *Lycaenops alticeps* sp. nov. (p. 22); *Aelurognathus minor* sp. nov. (p. 23); *Arctops watsoni* sp. nov. (p. 25); *Sycocephalus bigondensis* gen. & sp. nov. (p. 27); *Gorgonopsia* discussed and figd., *Palaeont. africana* 1, 1953, Brink, A. S. & Kitching, J. W. (1).

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*Lystrosaurus amphibius* Brink; *Kanemeyeria latifrons* Broom; *Kitchingia planifrons* Broom & George; *Pelanomodon rubidgei* Broom; *Platycyclops pricei* Broom & George; *Aulacocephalodon* Broom & George; Palatal structure and Phylogenetic relationships, Toerien, M. J.

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*Pristerodon buffaloensis*, sp. nov. (p. 68); *Emydops murrayburgensis*, sp. nov. (p. 72); *E. kitchingi*, sp. nov. (p. 73); *Emydops microdon* (Broom); *Parringtoniella broomi*, gen. & sp. nov. (p. 78); *Hueneus oudebergensis*, gen. & sp. nov. (p. 80) Endothiodonts from *Cistecephalus* and *Endothiodon* zones, S. Africa, *Palaeont. africana*, 1, 1953, Toerien, M. J.

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*Struthiocephalus*: cranial morphology: taxonomy. Skull reconstruction, Boonstra, L. D. (6).

*Tangagorgon tenuirostris*, gen. & sp. nov. (p. 8), Gorgonopsian from Tanganyika. Ann. S. Afr. Mus. 42, 1, 1953, Boonstra, L. D.

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Complete list from Trias of Connecticut Valley, Lull, R. S.

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*Eumekichnium gampsodactylum* (?) (Protosaurian) from Permian Val Gardena Sandstone, Italy, Leonardi, P.

*Ornithoidipus* (?) *perwangeri*, sp. nov. (p. 17) tri-dactyle footprint in Permian Val Gardena Sandstone, Italy [? Reptilian]. Mem. Ist. geol. Univ. Padova, 17, 1953, Leonardi, P.

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## ERRATUM

Vol. 89, 1952, p. 111, col. 2, line 30 and p. 113, col. 2, line 22, for *Tachygia*, gen. nov., read *Tachyggia*.